QUINCY PUBLIC SCHOOLS

High School Program of Studies

and

Course Descriptions

2020-2021

North Quincy High School
Robert Shaw, Principal
Helena Skinner, Assistant Principal
Noreen Holland, Assistant Principal

Quincy High School
Lawrence Taglieri, Principal
Ellen Murray, Assistant Principal

Dr. Richard DeCristofaro, Superintendent of Schools
Kevin W. Mulvey, Deputy Superintendent

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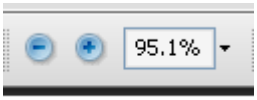
- ***If the print is too small to read, you can change the attributes using the -/+*** 

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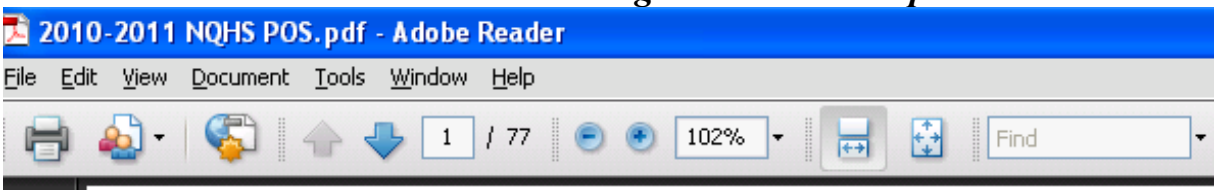

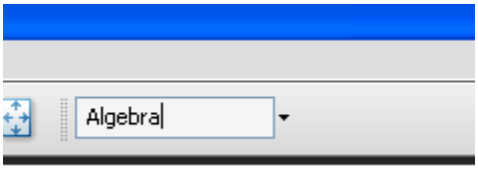

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Cover Artwork by Jayde S., Grade 12, Quincy High School

QUINCY PUBLIC SCHOOLS

PROGRAM OF STUDIES

2020 – 2021

North Quincy High School and Quincy High School are accredited members of the New England Association of Schools and Colleges. This association is the significant school-accrediting agency in the New England states.

The combination of the course offerings in the two upper secondary schools provides high school youth of Quincy an opportunity to select from a comprehensive list of curriculum offerings to meet the needs of their secondary school educational goals.

The curriculum of both North Quincy High School and Quincy High School is an open curriculum. All subjects are open to all students who meet current prerequisite standards. The choice of course sequence and subjects for each year is a most important matter. Experienced administrators, guidance personnel, and teachers are willing to provide programming advice. Final decisions are made by the student with the consent and approval of their parent or guardian provided that current prerequisite standards have been met.

Approved by Superintendent of Schools

Dr. Richard DeCristofaro

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2020 - 2021
Program of Studies

Artwork by Taylor B., Grade 12, Quincy High School

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Photography by Van L., Quincy Public Schools

GENERAL INFORMATION

STUDENT SUPPORT SERVICES

The overarching goal of the Student Support Services Program is to help students understand their aptitudes, abilities, and interests so that they know themselves as individuals and as members of society. Furthermore, our program strives to help students make wise decisions educationally, vocationally and personally.

Faculty, parents/guardians, administrators, staff and peers can refer students with any of the following issues: social, emotional, academic or behavioral. Services are delivered on an individual or small group basis. School counselors also make appropriate referrals to outside supportive agencies for students and their families. School counselors address all students' academic, personal/social and career development needs. They serve a vital role in maximizing student achievement.

Some services include the following:

- Developing a four year course plan with a career focus
- Teaching students strategies to advocate for themselves
- Providing career, educational, and post-graduate planning
- Interpreting standardized test results
- Assisting in the college research and selection process
- Facilitating orientation and transitional programs
- Providing help with personal/social concerns
- Coordinating support and intervention strategies for students in need of assistance
- Helping students understand and accept capabilities and limitations
- Promoting the use of computer assisted planning and information services available in the high school's counseling services office.

Important information:

- Students are alphabetically assigned to school counselors and stay with their counselors throughout the four years in high school.
- Student appointments can take place anytime during the day and before or after school.
- School counselors are generally available at most times throughout the school day; however, appointments may be necessary. A school counselor will always be available to assist in an emergency situation.
- Multiple evening activities are planned throughout the school year by the Student Support Services Department. Please access the school's website to remain up-to-date on new events.
- Parents/guardians are encouraged to contact counseling services regarding any concerns.

COURSE SELECTION
HOW TO CHOOSE CLASSES

Planning an educational program is an ongoing process and should involve as many people as possible, including the student, parents, teachers, and school counselors.

1. **Work together to select courses -** Course selection marks the beginning of responsible decision-making for many students. Parents/Guardians should be involved in giving both help and direction as a student works through his/her decision.

2. **Gather information** - A major part of the process of course selection involves the gathering of information. Classroom teachers and school counselors are valuable resources at this stage. This course selection booklet has been prepared with YOU in mind. Read it first to obtain information on the entire high school curriculum and then more carefully read the course selection booklet a second time to obtain specific information about those courses that are either required for next year or that interest you.

   The classroom teacher has in-depth knowledge of the content of various courses taught within his/her department. In addition, he/she is usually aware of the expectations for each course. Knowing you as a student and the kind of work of which you are capable, your teacher can make valid recommendations as to which courses to take within the department.

   The school counselor has a broad overview of the entire curriculum. Besides having a strong sense of the student's performance and ability level, the school counselor is very much aware of courses necessary to fulfill graduation requirements. The school counselor also is able to provide good advice about the kind of program and courses which will be helpful as you prepare yourself to pursue post-high school plans, whether these be a four/two-year college/technical school, military, or immediate entry into the world of work. A student conference can be arranged by coming to the guidance office to make an appointment. Not all student choices can be accommodated within scheduling constraints and school placement policies. The Principal will make final decisions about placement.

3. **Attend the Course Selection Information Night for Parents and Students -** This is held in March for the purpose of providing information and assistance in the course selection process. Teachers and school counselors may be consulted.

4. **Four-Year Course Plan/Personal Learning Plans (PLP) -** All students should develop a four-year course plan that will be reviewed each year to be certain their program has a career direction and focus. This plan will begin in grade nine and will be amended every year at course registration. Students will be encouraged to anticipate the education that will be necessary to achieve their desired goals. School counselors will assist in developing appropriate plans.

5. **Course selection policy -** Students are given opportunities to choose from a wide array of elective subjects beyond the required full year core subjects listed in this book. Every effort is made to fulfill these requests; however, no master schedule can provide every course that every individual student requests. The development of a master schedule includes many factors that determine the courses that can be offered and at what times they may run during the day. Staffing, the number of students requesting a particular course, the combination of course requests among students, and school resources are among many factors that influence the access to particular courses in a given year. We will work diligently and methodically to provide a rich and varied academic experience, but there may be some instances in which, for scheduling purposes, the administration and guidance staff will have to adjust an individual student's course selections. If this occurs, every effort will be made to place the student in a similar course at a similar level.

COURSE LEVELS

All placements are designed to provide maximum intellectual challenge for each student. The school makes placement decisions based on testing, past academic performance, and departmental approvals. Placement assumes that ability will allow success, but normal student effort is also assumed. It is also assumed that students and teachers will anticipate upward movements in level placements based upon intellectual growth over years of schooling. All leveled courses are designed to challenge students, promote critical thought, provide opportunities to problem solve, and prepare students for post-secondary education. The professional staff at Quincy Public Schools are committed to the concepts that all students, upon graduation, will be expected to demonstrate that they can synthesize, organize, and apply knowledge to complex and real life situations and are fully prepared for postsecondary education and/or employment. All course levels will contain career and relevant real world connections to the curriculum. C Course levels are designed as follows:

Advanced Placement: Advanced Placement courses end with a **required** advanced placement examination that can lead to college credit; they will be managed with college expectations. AP classes are for students seeking enrollment in selective four-year colleges. Students should anticipate intense pacing and collegiate analysis of the curriculum. Students should be accomplished independent learners who are highly self-motivated and can manage rigorous homework expectations. Summer work may be required. The fee for an AP exam is determined by the College Board. More information can be obtained through your school counselor or at www.collegeboard.com.

Advanced (A) and Honors (H): Students should anticipate fast pacing and deep analysis of the curriculum. Students should be independent learners who are self-motivated to manage more rigorous homework expectations.

College and Career Preparatory (CCP): Students should anticipate moderate pacing and deep exploration of the curriculum in CCP level classes. Students should be motivated to handle a workload that prepares them for post-secondary education and/or careers.

Not included in GPA calculation: These courses include physical education, summer school, external college courses, academic enrichment, transfer courses or other types of student enrichment activities.

LEVEL CHANGE POLICY

Level changes will be considered on an individual basis in consultation with the current teacher, student, parent, and school counselor. Student data (such as standardized tests, transcripts, placement tests, etc…) will be included in all considerations. In order to move to a lower course level, students must have participated in class work and activities, done homework for the class, and met with the course teacher for extra help. All level changes require the use of the approved "Course Change" form.

Course Eligibility Requirements

Students *must pass* each year of a course within the subject area before taking the next course in the sequence.

To continue in each sequential course of studies at the Honors or Advanced level, a student should attain teacher approval and/or earn a minimum grade of 80 in the current course.

To advance to a higher level of studies, a student should attain teacher approval and earn a minimum grade of 90 in the current course.

**Some courses may differ in requirements. See course description for additional information.*

COURSE CHANGE POLICY

The course selection process is one that should be a cooperative venture among the student, the parent, the teacher and the school counselor. Adequate time is allowed for parent-sponsored changes after the initial registration period as well as during the week after school closes, or one week before the opening of school in September. Changing from one teacher to another, within a course, will not be permitted.

Full year, first semester courses, first quarter courses (except clerical errors) will be allowed to be dropped until the last day of the first cycle in the school year. Changes made after this time period must be accompanied by proper documentation and approval. Course changes must be approved by the parent/guardian, teacher, school counselor and department chair(s). Second semester courses may be dropped any time prior to the first day of the classes or before the end of the first cycle of second semester. These changes must be accompanied by proper documentation and approval as mentioned above. Requests for changes honored after the first progress report will be recorded on the report card and transcript as "withdrawn."

GRADUATION AND PROMOTION REQUIREMENTS

Academic Credits

1. The term "points" reflects academic credit issued for the amount of work normally covered in assigned classes that meet regularly for a year or portion thereof. A proportional number of credits may be issued to reflect the intensity of a course or for a course meeting less or more time than the five point courses.

2. Physical Education is required through Grade 12, or as designated by the Quincy School Committee.

3. A principal has discretion to award quarter, half, or three-quarter credit for partial completion of course requirements.

4. Full year courses may be taken by semester at half the point value stated for the year upon approval of the principal and when possible to schedule.

5. Students who successfully complete Summer School or other alternative program courses may be awarded promotional/graduation credits by the high school principal. Prior approval for participation in those courses must be given by the high school principal or designee.

6. Requirements for Career and Technical Certification - All students who successfully complete their course of study will receive a High School Diploma and a Certificate of Occupational Proficiency. Any student, with significant absences, including suspensions, cannot accrue the necessary shop hours and related instruction to be eligible for a Technical Certificate.

Students must pass:

4 years of English
4 years of Social Studies
3 years of Science
3 years of Mathematics*
2 years of Foreign Language**
4 years of Physical Education***

* Mathematics - Fifteen (15) points required in mathematics. Ten (10) of the fifteen (15) points in mathematics are to come from the Mathematics Program of Studies. The additional five (5) points may come from mathematics or accounting/personal finance courses. Students are encouraged to take computer science courses; however, these courses may be taken only in addition to the fifteen (15) points required in mathematics.

** All students are required to take and pass two (2) years of foreign language. It is recommended that students take these courses during their freshman and sophomore years.

*** ROTC credits include Physical Education requirement credits

At North Quincy High School students are required to obtain 100 points to graduate and must meet the academic requirements listed below.

The promotional requirements for all students at North Quincy High School are:

- to enter Grade 10 students must have earned 20 points
- to enter Grade 11 students must have earned 45 points
- to enter Grade 12 students must have earned 70 points.

At Quincy High School students are required to obtain 120 points to graduate and must meet the academic requirements listed below.

The promotional requirements for all students at Quincy High School are:

- to enter Grade 10 students must have earned 25 points
- to enter Grade 11 students must have earned 50 points
- to enter Grade 12 students must have earned 85 points.

Students must satisfy all Quincy Public Schools graduation requirements in order to participate in the graduation ceremony.

To earn a high school diploma from Quincy Public Schools, students must satisfy all Quincy Public Schools graduation requirements and achieve the competency determinations in the English Language Arts, Mathematics, and the Science/Technology portions of the Massachusetts Comprehensive Assessment System (MCAS).

Students must satisfy one of the following two conditions to earn competency determinations:

For the classes of 2021 and 2022

1. Meet or exceed the Proficient scaled score of 472 on the English Language Arts and a scaled score of 486 on the Mathematics grade 10 MCAS tests, and meet or exceed the Needs Improvement scaled score of 220 on the Science/Technology MCAS test.

Or

2. Meet or exceed the Needs Improvement scaled score of 455 on the English Language Arts and scaled score of 469 on the Mathematics Grade 10 MCAS tests and fulfill the requirements of an Educational Proficiency Plan (EPP) and meet or exceed the Needs Improvement scaled score of 220 on the Science/Technology MCAS test.

For the classes of 2023 and 2024

1. Meet or exceed the Proficient scaled score of 500 on the English Language Arts and Mathematics grade 10 MCAS tests, and meet or exceed the Needs Improvement scaled score on the Science/Technology MCAS test.

Or

2. Meet or exceed the Needs Improvement scaled score of 470 on the English Language Arts and Mathematics Grade 10 MCAS tests and fulfill the requirements of an Educational Proficiency Plan (EPP) and meet or exceed the Needs Improvement scaled score on the Science/Technology MCAS test.

The Education Proficiency Plan

The Educational Proficiency Plan (EPP) is required for any student who scores *partially meeting expectations* in either ELA or Mathematics. In these cases, the Department of Elementary and Secondary Education has mandated that students continue their academic study in the deficient core content area. Notably, all students at Quincy Public Schools, as part their graduation requirements, continue to take English and math courses in their junior year and beyond. Therefore, in an effort to meet the Competency Determination (CD), students at Quincy Public Schools may use their core courses in junior ENGLISH and MATH. Students are noted as having earned a Competency Determination (CD) when they pass their content subject area course and pass that course's standards-based final examination. Failure to do this in the junior year will require the student to achieve this standard at the close of senior year. It is important to note that a high school diploma cannot be granted to any student who does not fulfill the Competency Determination in all required MCAS subjects. Please note that students taking an Algebra 2 course will attain a CD when they have passed the course.

MCAS Performance Appeals

MCAS performance appeals are filed through Quincy Public Schools for qualifying seniors who have not passed all portions of the MCAS test. An appeal to waive the state mandated MCAS requirement for a high school diploma must demonstrate that the student is eligible because he/she has met all of the following criteria:

1. Attempted the MCAS test in the subject of the appeal at least three (3) times.
2. Maintained a 95% attendance rate for both the junior and senior years.
3. Successfully participated in tutoring or other academic support services made available or approved by the school.
4. Attained a GPA of at least 1.0 in the subject of the appeal.
5. Achieved a GPA higher than the GPA of at least six students who have passed the MCAS and have taken the same sequence of courses in the subject of the appeal.

Questions about the appeals process should be directed to the Principal for further information.

Photography by Steven L., Grade 12, North Quincy High School

Graduation Requirements Beyond the Classroom

In keeping with the mission of Quincy Public Schools all Quincy Public Schools students will be required to apply their learning beyond the classroom through participation in community service.

Community Service

Community service is a graduation requirement for Quincy Public Schools. It is intended to prepare students for active citizenship. Community service is an opportunity for students to demonstrate active citizenship by acting as responsible citizens who contribute to the improvement of their communities. This service also affords students the opportunity to enhance personal growth, build self-esteem, and develop social skills.

All students must complete at least 10 hours of approved community service activities in each year of grades nine, ten, and eleven for a total of at least 30 hours by the end of their junior year. Students can begin earning community service hours during the summer prior to entering each grade (after June 1). All community service activities must be approved. Pre-approved community service options are available on the Quincy Public Schools website; students must seek approval for all community service activities not already listed on the website. Community service hours for each year must be completed by June 1 of that school year. Seniors must have completed all hours by the beginning of senior year unless they have made prior arrangements.

HONOR ROLL CALCULATION

All grades must be 70 or higher with no "U's" in office conduct.

- DISTINCTION: 90 average or higher
- HIGH HONORS: 87-89 average
- HONORS: 80-86 average

CLASS RANK CALCULATION

All classes that meet regularly are considered for class rank, with the exception of Physical Education and Credit Recovery programs. Class rank will be a weighted average:

- HONORS = 85% of an ADVANCED grade
- CCP = 75% of an ADVANCED grade

Computed class rank will be released for the first time after the second quarter of the junior year.

GRADE POINT AVERAGE

ALPHA	NUMERIC	ADVANCED	HONORS	CCP
	100	5.5	4.68	4.13
	99	5.4	4.59	4.05
A+	98	5.3	4.51	3.98
	97	5.2	4.42	3.90
	96	5.1	4.34	3.83
	95	5.0	4.25	3.75
A	94	4.9	4.17	3.68
	93	4.8	4.08	3.60
	92	4.7	4.00	3.53
A-	91	4.6	3.91	3.45
	90	4.5	3.83	3.38
	89	4.4	3.74	3.30
B+	88	4.3	3.66	3.23
	87	4.2	3.57	3.15
	86	4.1	3.49	3.08
	85	4.0	3.40	3.00
B	84	3.9	3.32	2.93
	83	3.8	3.23	2.85
	82	3.7	3.15	2.78
B-	81	3.6	3.06	2.70
	80	3.5	2.98	2.63
	79	3.4	2.89	2.55
C+	78	3.3	2.81	2.48
	77	3.2	2.72	2.40
	76	3.1	2.64	2.33
	75	3.0	2.55	2.25
C	74	2.9	2.47	2.18
	73	2.8	2.38	2.10
	72	2.7	2.30	2.03
C-	71	2.6	2.21	1.95
	70	2.5	2.13	1.88
	69	2.4	2.04	1.80
D+	68	2.3	1.96	1.73
	67	2.2	1.87	1.65
	66	2.1	1.79	1.58
	65	2.0	1.70	1.50
D	64	1.9	1.62	1.43
	63 (minimum passing)	1.8	1.53	1.35
	Below 63	0.0	0.00	0.00

CREDIT RECOVERY REGULATIONS

Students are eligible to make up failures in an approved summer school, college, or online program. Academic credit will be granted providing the student passes the class. The make-up grade and graduation credits will be posted on the permanent record along with the failure, but not included in the class rank computation.

EXTERNAL COLLEGE COURSES

Students may satisfy a prerequisite by successfully completing a college level course. College courses taken for this purpose may not be transferred to the high school transcript and/or used to take the place of a high school subject-specific graduation requirement. Students may forward these courses directly to colleges as part of their application materials. These courses cannot be applied towards fulfilling high school graduation requirements.

DUAL ENROLLMENT

Quincy Public Schools and Quincy College have collaborated to provide an exciting opportunity called "DUAL Enrollment". This unique program allows QPS high school sophomores, juniors, and seniors in good academic standing to take advantage of earning optional college credit for selected honors-level courses that are aligned to the college syllabus and offered during the regular school day at Quincy's two high schools. Dual Enrollment students who complete their course(s) will earn both high school credit and three college credits. The three credits earned from Dual Enrollment are transferable to most higher education institutions in the United States that accept Quincy College credits.

In order to earn Dual Enrollment credit, a student must meet the following admission criteria:

- Be enrolled in any of the approved classes for the respective academic year;
- Have earned a minimum high school unweighted GPA of 3.0;
- Meet the high school's requirement entrance for honors classes;
- NOTE: In exceptional cases, the recommendation of a guidance counselor explaining why the student with a GPA below a 3.0 is likely to perform well in college-level work in the particular course at hand may be suitable;
- Complete Dual Enrollment Application and Registration Form and submit to the Dual Enrollment Facilitator at their respective school.
- Submit the Dual Enrollment payment by the respective deadlines, which are November for fall semester and full-year classes, and March for spring semester and full-year classes.

For a complete course listing and additional information, please see Quincy College's Dual Enrollment webpage. Go to: quincycollege.edu/dualenroll

INFORMATION FOR PARENTS OF COLLEGE BOUND STUDENTS

In general, colleges require 16 college preparatory units to be taken in grades 9-12. A unit is the equivalent of taking a subject for a full school year, one class period per cycle. Electives should be selected to meet specific college requirements. This Program of Studies contains the courses usually required for admissions to college, but college catalogues should be consulted for possible variations. Five (5) credits are equivalent to one (1) college entrance unit. These subjects should be considered minimum college application requirements.

English	4 units
Mathematics	3 or 4 units*
Science	3 or 4 units
Social Studies	4 units
Foreign Language (preferred in one language)	3 or 4 units
Creative or Performing Arts	1 unit **

**Massachusetts public colleges and universities now require that students pass four years of high school math, including in their senior year.*
***Many college and universities require one (1) unit of Creative or Performing Arts.*

For more information regarding course requirements for admission, please utilize the link below to search colleges and review the high school course requirements for schools of interest:
https://bigfuture.collegeboard.org/college-search

Please use the following site for general information about 'High School Classes Colleges Look For':
https://bigfuture.collegeboard.org/get-in/your-high-school-record/high-school-classes-colleges-look-for

Advanced and/or Advanced Placement (per College Entrance Examination Board) courses are offered for students who can undertake advanced work in English, mathematics, science, social studies, computer science or foreign language. It is possible to elect a business technology or a technical sequence and achieve entrance requirements for certain colleges.

COURSE DESCRIPTIONS

ACADEMIC MAJORS

ENGLISH

The English curriculum reflects the standards of reading, writing, speaking, listening, and language outlined in the Massachusetts Curriculum Framework for English Language Arts and Literacy (2011). As stated in the Framework, students who meet these standards develop the skills in reading, writing, speaking, and listening and have the foundation for creative and purposeful expression in language.

With a staff that is profoundly committed to meeting each student's individual needs, the English departments at North Quincy High School and Quincy High School drive all students to meet high standards for reading proficiency and writing skill. We engage students at all grades and levels in a variety of genres, using novels, plays, short stories, poetry, non-fiction, and film to teach students to think deeply and critically. We pride ourselves on constantly adapting and enhancing our curriculum, which allows us to provide students with fresh, relevant material while still adhering to the Framework. Every course provides a wide array of writing experiences, as we encourage our students not only to analyze texts but also to express themselves creatively.

All English courses, with the exception of electives, have a summer reading requirement and assessment. Information is available from the English Department and online at www.quincypublicschools.com.

Course Name	Grades	Level	Credits	Course #
English Language and Literature 1	9, 10, 11, 12	CCP	5	0198
English Language and Literature 2	11, 12	CCP	5	0199
English Language and Literature 2	11, 12	H	5	0197
English 9	9	CCP	5	0102
English 9	9	CCP	5	9301*
English 9	9	H	5	0103
English 9	9	A	5	0104
English 10	10	CCP	5	0112
English 10	10	CCP	5	9302*
English 10	10	H	5	0113
English 10	10	A	5	0114*
English 11	11	CCP	5	**0122**
English 11	11	CCP	5	**9358***
American Literature & Composition	11	CCP	5	**0162**
English 11	11	H	5	**0123**
American Literature & Composition	11	H	5	**0163**
Looking for America: Literature	11	H	5	**0164**
AP Language and Composition	11	A	5	0124*
English 12	12	CCP	5	**0132**
English 12	12	CCP	5	**9360***
Modern Literature and Composition	12	CCP	5	**0192**
English 12	12	H	5	**0133**
AP Literature and Composition	12	A	5	0134*
British Literature	12	H	2.5	**0172**
College Writing	12	H	2.5	**0174**

Course Name	Grades	Level	Credits	Course #
Poetry and Creative Writing	12	H	2.5	**0313**
Literature and Society	12	H	2.5	**0323**
Creative Writing Workshop	9, 10	CCP	2.5	**0182**
Creative Writing Workshop	9, 10	H	2.5	**0183**
Journalism and Media Studies	11, 12	H	5	**0147**
Creative Writing	11, 12	H	5.0	**0151**
Film Studies	11, 12	CCP	2.5	**0175**
Film Studies	11, 12	H	2.5	**0176**
Philosophy and Literature	11, 12	CCP	5.0	**0177**
Philosophy and Literature	11, 12	H	5.0	**0178**
Sights, Sounds and Forms in Poetry	11, 12	CCP	2.5	**0165**
Sights, Sounds and Forms in Poetry	11, 12	H	2.5	**0166**
Journalism	11, 12	H	5.0	**0144**
SAT Reading Prep	11, 12		1.25	**8186**

** Department Chair approval required*

English Language and Literature 1 – CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0198)***
This course is designed to develop ELA standards of Speaking and Listening, Reading, Language and Writing. Students will study literature, both fictional and informational texts, language and writing. Speaking and listening skills will also be developed as students are provided opportunities in class.

English Language and Literature 2 - CCP ***Gr. 11, 12 - 5 Credits*** ***(0199)***
This course further develops and strengthens students' reading, writing, speaking, listening and critical thinking skills in English through reading, writing activities and oral presentations. The course aims to improve reading comprehension through the reading of challenging literary and informational texts, to provide models of good writing, and to develop general language skills through a series of structured language opportunities. Students will use higher level thinking to work independently and in groups and to respond orally and in writing.

English Language and Literature 2 - CCP ***Gr. 11, 12 - 5 Credits*** ***(0197)***
This course further develops and strengthens students' reading, writing, speaking, listening and critical thinking skills in English through reading, writing activities, and oral presentations. The course aims to improve reading comprehension, to provide models of good writing, and to develop general language skills through a series of structured practice opportunities. Students will be encouraged to use higher-level thinking processes, develop a positive self-concept, work independently and collaboratively, and develop the confidence to respond orally and in writing, with originality and imagination. Oral participation is stressed. Special projects will be assigned to challenge and broaden students' knowledge and interests. Many activities will originate from those interests.

English 9 - CCP ***Gr. 9 - 5 Credits*** ***(0102)***
English 9 - CCP ***Gr. 9 - 5 Credits*** ***(9301*)***
This course develops the fundamental skills in English necessary for students to become college and career ready. Through language study, the student learns parts of speech, types of sentence structure, the rules of grammar, punctuation, vocabulary, and spelling. Reading comprehension is improved through the analysis of plot, setting, characterization, mood, and theme in various types of literature. From the reading, the student is expected to make inferences, determine main ideas, and evaluate opinions. Appropriate library skills are introduced and/or reinforced. Individual and group presentations are given both formally and informally.
Prerequisite: Department Chair approval (9301)

English 9 - Honors ***Gr. 9 - 5 Credits*** ***(0103)***
Ninth grade Honors English begins a study of the basic concepts of literary criticism, vocabulary, rules of usage and the principles of composition. Emphasis centers on the improvement of expository writing through frequent writing assignments based on readings of literature. Designed for ninth graders who show proficiency in English, the course covers literature of all types.

English 9 - Advanced ***Gr. 9 - 5 Credits*** ***(0104)***
In this course, the examination of several novels, plays, short stories, and poems allows the development of the literary analysis skills of point of view, plot, characterization, theme and setting. Students are expected to identify word connotations, irony, main idea, directly stated details, and inferences in various types of literature. The study of language history supplements grammar and intensive vocabulary work to increase awareness of the way language is used. Writing assignments develop skills necessary for the formal multi-paragraph essay.

English 10 - CCP ***Gr. 10 - 5 Credits*** ***(0112)***
English 10 - CCP ***Gr. 10 - 5 Credits*** ***(9302*)***
This course focuses on the literal and inferential reading of literature and the writing of expository paragraphs and essays. Student compositions are based on the readings of plays, novels, short stories, and poems. Preparation is provided for both the SAT and the MCAS.
Prerequisite: Department Chair approval (9302)

English 10 - Honors ***Gr. 10 - 5 Credits*** ***(0113)***
Tenth grade Honors English, for highly motivated students, focuses on the inferential and evaluative reading of literature and the writing of expository essays. Student compositions are based on the readings of plays, novels, short stories, and poems. Preparation is provided for both the SAT and the MCAS.

English 10 - Advanced ***Gr. 10 - 5 Credits*** ***(0114)***
This course is designed to align vertically with the advanced/AP track and builds upon skills students acquired in 9th grade English. It will build upon students' foundation of knowledge regarding literary terminology and analysis; critical thinking and writing; grammar and usage; public speaking and presenting; vocabulary enhancement. The course also prepares students for state-mandated assessment testing. The ultimate goal of studying literature in this class is to help students interpret and understand others' perspectives and philosophies so they can then question and expand their own understanding of the world around them.
Prerequisite: Department Chair approval

English 11 - CCP ***Gr. 11 - 5 Credits*** ***(0122)***
English 11 - CCP ***Gr. 11 - 5 Credits*** ***(9358*) QHS ONLY***
An understanding of literary elements and an appreciation of the way literature relates to real-life are the main goals of this college/career preparatory course. In conjunction with the study of literature, instruction in written expression will continue to be developed through argumentative, informational, explanatory, narrative, and persuasive writings. Students also work on SAT review, vocabulary building, and expository writing. Continued development of the understanding of language and command of the conventions of grammar and usage will be a focus of the course as well.
Prerequisite: Department Chair approval (9358)

American Literature and Composition - CCP ***Gr. 11 - 5 Credits*** ***(0162) NQHS ONLY***
Thematic reading of representative works from American writers, both fictional and foundational documents, is used to examine the development of American values and ideas as revealed through literature. In conjunction with the study of literature, written expression will continue to be developed through argumentative, informational, explanatory, narrative, and persuasive writings. Continued development of the understanding of language and command of the conventions of grammar and usage will be a focus of the course as well. Students will engage in research, collaborative presentations, and with appropriate media to present knowledge and ideas.

English 11 - Honors ***Gr. 11 - 5 Credits*** ***(0123) QHS ONLY***
Students work on SAT review, vocabulary building, and expository writing. The literature offered has a wide range of subject matter. The concepts studied in the readings will be viewed as they apply to all facets of modern life. The overall aim of the course will be to show the student the wide effects of literature and language on the way we live. In conjunction with the study of literature, instruction in written expression will continue to be developed through argumentative, informational, explanatory, and persuasive writings. Further development of the understanding of language and command of the conventions of grammar and usage will be a focus of the course as well.

American Literature and Composition - Honors ***Gr. 11 - 5 Credits*** ***(0163) NQHS ONLY***
Extensive reading of representative works from American writers, both fictional and foundational documents, is used to examine the development of American values and ideas as revealed through literature. In conjunction with the study of literature, written expression will continue to be developed through argumentative, informational, explanatory, narrative, and persuasive writings. Continued development of the understanding of language and command of the conventions of grammar and usage will be a focus of the course as well. Students will engage in research, collaborative presentations, and with appropriate media to present knowledge and ideas.

Looking for America: Literature ***Gr. 11 - 5 Credit*** ***(0164) NQHS ONLY***
Looking for America: Literature is a team taught 11th grade humanities course, which uses a chronological, interdisciplinary approach to the study of America's development from the 19th century through the present, and is taken in conjunction with Looking for America: History. Emphasis is placed upon student understanding of the interrelationships among literature, history, art, and music. Using seminars, group presentations, creative projects, simulations, discussions and debates, students will gain a greater understanding of American history and culture. The literary selections for the course are aligned with time periods covered and will be discussed through an historical and social lens. Students in this course will be required to complete writing assignments that demonstrate their ability to make interdisciplinary connections between historic material and key works of literature. Field-based learning and research will also be an important component of this class.
Co-requisite: Taken in conjunction with Looking for America: History

AP Language and Composition - Advanced ***Gr. 11 - 5 Credits*** ***(0124*)***
The purpose of this course is to improve students' critical thinking, reading, and writing skills while also helping them to develop a greater appreciation for American literature. The class focuses on the use of rhetoric in written and oral communication. Readings will include essays, memoirs, novels, poems, and dramas by a diverse group of authors writing for a variety of purposes. Writing assignments and projects will be varied and will enable students to develop proficiency in narrative, expository, argumentative, and persuasive modes. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisite: Department Chair approval

English 12 - CCP ***Gr. 12 - 5 Credits*** ***(0132)***
English 12 - CCP ***Gr. 12 - 5 Credits*** ***(9360*) QHS ONLY***
Modern, high-interest literature will be presented in project-based theme units that incorporate writing, critical thinking skills, vocabulary, inquiry, grammar, and character study. Students will also work with short stories, current events (non-fiction works), and film. College and career preparation will be emphasized with resume writing and the exploration of the college personal essay.
Prerequisite: Department Chair approval (9360)

Modern Literature and Composition - CCP ***Gr. 12 - 5 Credits*** ***(0192) NQHS ONLY***
This course improves the reading, writing, speaking, and listening skills required for success in college. Students will read a variety of literature, exploring genres such as fiction (science fiction, historical fiction, philosophical, psychological, dystopian), nonfiction, and drama. Themes may include courage, individualism, fate versus free will, and coming of age. An emphasis will be placed on developing and fostering an analytical approach to literature, focusing on comprehension, and improving critical thinking skills. In addition, students will analyze literature, developing and improving their abilities to examine and evaluate a text in relation to other texts, their own lives, and the world through both expository writing and multimedia presentations.

English 12 - Honors ***Gr. 12 - 5 Credits*** ***(0133) QHS ONLY***
This course consists of four major units supplemented by vocabulary instruction and SAT preparation. The four major units focus upon the psychology of the narrative, the essay, poetry, and the signs of the ideals (semiotics). In the narrative unit, students apply the psychological interpretation of folk tales to modern stories. Essay writing, an on-going effort throughout the course, receives special attention in a unit that uses essays to help students to assess audience, tone, attention-getting devices, and narrative point of view as they affect message. In the poetry unit, students review conventions and mechanics of poetry in a variety of works.

AP Literature and Composition - Advanced ***Gr. 12 - 5 Credits*** ***(0134*)***
This is a writing-intensive course designed to prepare students to succeed in English at the college level. Students will learn various structural and literary theories and apply them to literature as old as ancient Greek epics and as recent as the contemporary novel. Although the focus of the course is squarely on the analytical essay, students will have opportunities to do other types of writing. The course also includes at least one major group presentation. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisites: AP Language and Composition; Department Chair approval

British Literature - Honors ***Gr. 12 - 2.5 Credits*** ***(0172) NQHS ONLY***
British Literature is a survey of British writers from the Anglo-Saxon period to the 20th Century. The course explores various genres, as well as many poetic and dramatic forms. Students will closely examine selected works including those of William Shakespeare as part of their study. By studying cultural values, and by gaining a historical perspective on the development of British Literature, the students will acquire an appreciation for the Western literary tradition. This course may be taken with *College Writing* (0174) or *Poetry and Creative Writing* (0313).

College Writing - Honors ***Gr. 12 - 2.5 Credits*** ***(0174) NQHS ONLY***
The focus of College Writing is learning how to structure and write various types of essays required at the college level. Thesis, evidence, organizational principles, and rhetorical strategies are some of the emphasized concepts. A critical essay based upon an assigned outside reading is required. The second half focuses on the development of a major research paper. Peer-group editing, conferencing and cooperative learning groups are examples of the activities in this course. This course may be taken with *British Literature* (0172) or *Literature and Society* (0323).

Poetry and Creative Writing - Honors ***Gr. 12 - 2.5 Credits*** ***(0313) NQHS ONLY***
This course examines selected works of modern poetry, including French Symbolism, Modernism, the Beat Generation, Postmodernism, Confessionalism, and the Black Arts Movement. The Creative Writing component features a study of the methods and techniques of creative writing with emphasis on the variety of forms studied in the poetry units. Students will be encouraged to develop new strategies to express their experiences and feelings. Manuscripts will be read in class and production of poetry volumes will follow the completion of the poetry units. This course may be taken with *British Literature* (0172) or *Literature and Society* (0323).

Literature and Society - Honors ***Gr. 12 - 2.5 Credits*** ***(0323) NQHS ONLY***
This course explores the impact of social history on American writers in the twentieth century. Students will explore how novelists have incorporated social history in works of fiction and study the impact that social history has had on the media and journalism. Units will include literature from the Great Depression, the post WWII era, the Civil Rights Movement, and the Vietnam War era. This course may be taken with *College Writing* (0174) or *Poetry and Creative Writing* (0313).

Creative Writing Workshop - CCP ***Gr. 9, 10 - 2.5 credits*** ***(0182) NQHS ONLY***
Creative Writing Workshop - Honors ***Gr. 9, 10 - 2.5 credits*** ***(0183) NQHS ONLY***
This elective course will provide an opportunity for students to write creative, original work in multiple genres. In crafting various writings, students will employ the tools of writing: language, voice, character, theme, word choice, point of view, style, and tone. Using these tools and the foundations of narrative, students will explore some of the following genres: short fiction, film, poetry, blogging and social media, professional writing, and the graphic novel. At the end of the course, students will create a writing portfolio and participate in a showcase of their work. *To receive Honors credit for this course, additional assignments/projects will be required.*

Journalism and Media Studies - Honors Gr. 11, 12 - 5 Credits (0147) NQHS ONLY

This course can be taken in addition to a junior or senior English course and will not count toward the four-year graduation requirement for English. The course focuses on the development of reading, speaking, listening, writing, and language skills through the study of the development and history of journalism. In addition, the course also introduces students to the role of the media in the 21st century and provides students with opportunities to explore its functions in modern culture and society.

This course is available for optional Dual Enrollment credit, please see page 18.

Creative Writing - Honors Gr. 11, 12 – 5 Credits (0151) QHS ONLY

This full year course is a dynamic and thorough investigation of writing techniques and approaches for students who enjoy writing. They will use their imaginations to develop innovative stories, poems, and vignettes. In addition to examining the aspects of writing that can make all pieces vivid - imagery, voice, characterization, setting, and story – this class will explore various genres thoroughly (fiction, non-fiction, drama) and scrutinize contemporary authors for the purposes of emulating their individual styles and unique strategies. There will be frequent writing activities.

This course is available for optional Dual Enrollment credit, please see page 18.

Prerequisites: This course is taken in addition to a regular English class. Students may be in the 11th or 12th grade.

Film Studies - CCP Gr. 11, 12 - 2.5 Credits (0175) QHS ONLY
Film Studies - Honors Gr. 11, 12 - 2.5 Credit (0176) QHS ONLY

This class focuses on cinema as a narrative medium worth studying and analyzing in much the same way as literature, with special attention paid to the language and technology history of film. Students will learn to identify and "read" specific film techniques while also developing an appreciation for how style helps reinforce a film's plot line. Students will also examine how technology (sound, color, widescreen presentation) have influenced the way films are made, marketed, and received.

The course is available to all juniors and seniors. Seniors will receive priority in scheduling. This one semester class can be taken in conjunction with another one semester English elective to give seniors a full year of English credit, eliminating the need to take a full-year English. With permission from the teacher and the department chair, juniors or seniors who need to make up a year's credit can take it in addition to a full-year class to earn English credit towards graduation. Students not needing the English credits can simply take the class for elective credit.

Prerequisites: This course is taken in addition to a regular English class. Students may be in 11th, or 12th grade.

Philosophy and Literature – CCP Gr. 11, 12 – 5.0 Credits (0177) QHS ONLY
Philosophy and Literature – Honors Gr. 11, 12 – 5.0 Credits (0178) QHS ONLY

Do you exist? How do you know right from wrong? Is anything true? Do you have free will? In this class, students will seek to answer these and other questions through literature. They will investigate leading theories in philosophy that deal with friendship, truth, reality, and more, while interpreting these ideas within texts, such as popular science fiction, classic novellas, and contemporary plays. Since the backbone of philosophy is reasoning and debate, they will construct solid arguments and evaluate the arguments of others through their exploration of literature. They will demonstrate their philosophical skills and critical knowledge of literature in Socratic seminars, informal discussions, and writing.

The course is available to all juniors and seniors. Seniors will receive priority in scheduling. This full year class can be taken by seniors in place of 12 CCP as a student's 4th required year of English. It can also be taken for credit reclamation by students needing to make up a year of English. Students not needing the English credits can simply take the class for elective credit.

Prerequisites: Students may be in 11th or 12th grade.

Sights, Sounds and Forms in Poetry - CCP ***Gr. 11, 12 - 2.5 Credits*** ***(0165) QHS ONLY***
Sights, Sounds and Forms in Poetry - Honors ***Gr. 11, 12 - 2.5 Credits*** ***(0166) QHS ONLY***
Students will explore poetic devices—specifically regarding sight effects, sound effects, and form—and how they work to create meaning in a poem. Students will critically look at a variety of poems from many different literary traditions. As part of the course, students will create their own poetry, experimenting with various forms and poetic devices. There will be a performance component to the course.

The course is available to all juniors and seniors. Seniors will receive priority in scheduling. This one semester class can be taken in conjunction with another one semester English elective to give seniors a full year of English credit, eliminating the need to take a full-year English. *With permission from the teacher and the department chair,* juniors or seniors who need to make up a year's credit can take it in addition to a full-year class to earn English credit towards graduation. Students not needing the English credits can simply take the class for elective credit.
Prerequisites: This course is taken in addition to a regular English class. Students may be in 11th, or 12th grade.

SAT Reading Prep ***Gr. 11, 12 - 1.25 Credits*** **(8186)**
This quarter-long course is recommended for any student who is interested in taking the SAT. English content and test-taking strategies are emphasized. Throughout the course, students learn the shortcuts, strategies and critical thinking skills needed to prepare for the Reading section of this test.
Unleveled course not included in GPA.

Journalism - Honors ***Gr. 11, 12 – 5 Credits*** **(*0144) QHS ONLY***
This full-year class is designed to look at both the skills of news writing and reporting. In order to be journalists, writers must learn how to find information, determine what is true, organize the information and write it in an organized, clear and concise manner. Students enrolled in this class will be looking at issues that impact the school community and will oversee all aspects of the production of the school's online newspaper. In addition, they will also be looking at how local, national and international news is covered in print, on television and online. Students will also look at the foundations of a free press in the United States, protections that affords reporters and media outlets and how to report the truth in an unbiased fashion. This is a writing-intensive course that requires outside reporting and writing.
Prerequisites: This course is taken in addition to a regular English class. Students may be in 11th or 12th grade.

Photography by Carly A., Grade 10, North Quincy High School

ENGLISH LEARNER EDUCATION (ELE) PROGRAMS

This program includes courses designed to provide instruction for students who are English Learners (ELs). The ELE Program is divided into levels of Beginning, Low Intermediate, Intermediate, Advanced, and Literacy Skills. An interdepartmental program of studies is available in Business Education, Mathematics, Science, Social Studies, and Career and Technical Studies. The ELE Program is a citywide program available to all ELs. The three level literacy and skills classes are recommended for students with interrupted education or for those whose first language literacy is incomplete.

Course Name	Grades	Level	Credits	Course #
EL Academic Support	9, 10, 11, 12	CCP	5	0204*
EL Speech and Pronunciation	9, 10, 11, 12	CCP	5	0202*
Beginning ESL	9, 10, 11, 12	CCP	5	0290
Beginning ESL	9, 10, 11, 12	CCP	5	0291
Beginning ESL	9, 10, 11, 12	CCP	5	0292
Low Intermediate ESL	9, 10, 11, 12	CCP	5	0283
Low Intermediate ESL	9, 10, 11, 12	CCP	5	0284
Intermediate ESL	9, 10, 11, 12	CCP	5	0293
Intermediate ESL	9, 10, 11, 12	CCP	5	0294
Advanced ESL	9, 10, 11, 12	CCP	5	0296
Advanced ESL	9, 10, 11, 12	CCP	5	0297
EL English	9, 10, 11, 12	CCP	5	0205*
ESL Literacy 1	9, 10, 11, 12	CCP	5	0279*
ESL Literacy 2	9, 10, 11, 12	CCP	5	0289*
ESL Literacy 3	9, 10, 11, 12	CCP	5	0299*
ESL Literacy 4	9, 10, 11, 12	CCP	5	0209*
ESL Skills 1	9, 10, 11, 12	CCP	5	0278*
ESL Skills 2	9, 10, 11, 12	CCP	5	0288*
ESL Skills 3	9, 10, 11, 12	CCP	5	0298*

**Department Chair approval required.*

EL Academic Support - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0204*)***

This course is specifically designed for English Learners who need extra academic support. Study skills, time management, extra language support and individual student needs will be addressed in small groups. The course will meet two or three days per cycle for a full year (depending on school).

Prerequisite: Department Chair approval

EL Speech and Pronunciation - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0202)***

This full-year elective is specifically designed for the low-level English Learner. It focuses on improving students' pronunciation of English and help to increase their interpersonal and academic speaking skills, giving them confidence to participate in class and with their English-speaking peers**.**

Beginning ESL - CCP ***Gr. 9, 10, 11 - 5 Credits*** ***(0290)***
Beginning ESL - CCP ***Gr. 9, 10, 11 - 5 Credits*** ***(0291)***
Beginning ESL - CCP ***Gr. 9, 10, 11 - 5 Credits*** ***(0292)***

The Beginner ESL course teaches foundational skills in English using the four modalities—listening, reading, speaking, and writing. The Beginners course builds skills in conversational English while introducing grammar and the basics of written language for both reading and writing. Students will develop skills transferable in all academic areas. The curriculum is aligned to the World-Class Instructional Design and Assessment (WIDA) Standards as well as the 2011 Massachusetts Curriculum Frameworks.

ELs must take <u>all three</u> Beginning level courses

Low Intermediate ESL - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0283)***
Low Intermediate ESL - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0284)***
The Low Intermediate EL course teaches essential English language skills through the four modalities—listening, reading, speaking, and writing. All skills and strategies are aligned with common core and WIDA standards. The class will focus on developing academic English transferable into all academic areas. Students will be explicitly taught skills in grammar, reading techniques, comprehension strategies, written composition, and speaking academic and conversational English aimed at increasing academic performance. The curriculum is aligned to the World-Class Instructional Design and Assessment (WIDA) Standards as well as the 2011 Massachusetts Curriculum Frameworks.
EL students must take <u>both</u> Low Intermediate level courses

Intermediate ESL - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0293)***
Intermediate ESL - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0294)***
This course offers explicit instruction in all of the language domains (listening, speaking, reading, writing, grammar) and places a strong emphasis on the development of academic language proficiency with explicit attention to the development of reading strategies, vocabulary development, and writing. The curriculum is aligned to the World-Class Instructional Design and Assessment (WIDA) Standards as well as the 2011 Massachusetts Curriculum Frameworks.
ELs must take <u>both</u> Intermediate level courses

Advanced ESL - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0296)***
Advanced ESL - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0297)***
The Advanced ESL course teaches the essential English Language skills through the four modalities - speaking, listening comprehension, reading and writing. The class focuses on increasing students' critical thinking skills and reading comprehension. The students will be explicitly taught reading comprehension strategies, written compositions and the analysis of various types of literature. Students will read novels, poems, and short stories and different types of writing will be practiced to increase the writing skills and fluency. The curriculum is aligned to the World-Class Instructional Design and Assessment (WIDA) Standards as well as the 2011 Massachusetts Curriculum Frameworks.
EL students must take <u>both</u> Advanced level courses

EL English - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0205*)***
EL English is designed for upper level English Learners who have completed the traditional Program of Studies for English Learners and require additional literacy support. The focus of this course is the development of oral academic English, academic vocabulary development, expository writing, and critical reading strategies. Enrolled student's performance on the WIDA ACCESS test and 10th Grade MCAS scores are used to identify and remedy specific academic language weaknesses for these students. Test data along with the WIDA standards and Common Core 2011 ELA Standards are used for curriculum direction.
Prerequisite: Department Chair approval

ESL Literacy 1 - CCP ***Cr. 9, 10, 11, 12 - 5 Credits*** ***(0279*)***
ESL Literacy 2 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0289*)***
ESL Literacy 3 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0299*)***
ESL Literacy 4 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0209*)***
These courses are designed for English Learners who have interrupted formal education or for those who need assistance strengthening their reading and writing skills. In these classes, students will continue to develop their reading comprehension and writing abilities at their appropriately aligned proficiency level. Students will read short stories, novels, and do various types of writing. They will also do research projects and presentations that will develop their speaking skills. The curriculum is aligned to the World-Class Instructional Design and Assessment (WIDA) Standards as well as the 2011 Massachusetts Curriculum Frameworks.
Prerequisite: Department Chair approval

ESL Skills 1 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0278*)***
ESL Skills 2 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0288*)***
ESL Skills 3 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(0298*)***

These courses at three levels are usually combined with ESL Literacy. They emphasize basic language in the four language learning areas: Listening, Speaking, Reading, and Writing at the appropriate level of literacy. ESL Skills can also be included with other ESL Courses. The curriculum is aligned to the World-Class Instructional Design and Assessment (WIDA) Standards as well as the 2011 Massachusetts Curriculum Frameworks.

Prerequisite: Department Chair approval

Artwork by Susan H.., Grade 11, Quincy High School

FOREIGN LANGUAGES

The Quincy Public Schools Foreign Language Departments integrate the five strands (Communication, Cultures, Comparisons, Connections and Communities) of the Massachusetts Foreign Languages Curriculum Framework into all foreign language courses with learning standards appropriate to the level of instruction. These courses aim to develop an understanding of other cultures through the use of a foreign language. Courses are designed to meet the needs of all students and to offer them an academically challenging and personally rewarding experience. The foreign language curriculum content is cumulative and sequential.

Incoming ninth graders are placed at appropriate levels based on their middle school foreign language achievement, teacher recommendation, or placement test (when appropriate). Refer to the course descriptions for specific course prerequisites.

Course Name	Grades	Level	Credits	Course #
French 1	9, 10, 11, 12	CCP	5	4112
French 1	9, 10, 11, 12	H	5	4113
French 1	9, 10, 11, 12	A	5	4114
French 2	9, 10, 11, 12	CCP	5	4122
French 2	9, 10, 11, 12	H	5	4123
French 2	9, 10, 11, 12	A	5	4124
French 3	10, 11, 12	CCP	5	4132
French 3	10, 11, 12	H	5	4133
French 3	10, 11, 12	A	5	4134
French 4	11, 12	CCP	5	4142
French 4	11, 12	H	5	4143
French 4	11, 12	A	5	4146
French 5	11, 12	CCP	5	4152
French 5	11, 12	H	5	4153
AP French Language	12	A	5	4144*
Italian 1	9, 10, 11, 12	CCP	5	4312
Italian 1	9, 10, 11, 12	H	5	4313
Italian 2	10, 11, 12	CCP	5	4322
Italian 2	10, 11, 12	H	5	4323
Italian 2	10, 11, 12	A	5	4324
Italian 3	11, 12	CCP	5	4332
Italian 3	11, 12	H	5	4333
Italian 3	11, 12	A	5	4334
Italian 4	12	CCP	5	4342
Italian 4	12	H	5	4343
AP Italian Language	12	A	5	4344*
Latin 1	9, 10, 11, 12	H	5	4413
Latin 2	10, 11, 12	H	5	4423
Latin 2	10, 11, 12	A	5	4424
Latin 3	11, 12	H	5	4433
Latin 3	11, 12	A	5	4434
Latin 4	12	H	5	4443
AP Latin	12	A	5	4444*
Fundamentals of Spanish 1	9, 10, 11, 12	CCP	5	**4510**
Spanish 1	9, 10, 11, 12	CCP	5	4512
Spanish 1	9, 10, 11, 12	H	5	4513

Course Name	Grades	Level	Credits	Course #
Spanish 2	9, 10, 11, 12	CCP	5	4522
Spanish 2	9, 10, 11, 12	H	5	4523
Spanish 2	9, 10, 11, 12	A	5	4524
Fundamentals of Spanish 2	10, 11, 12	CCP	5	**4520**
Spanish 3	10, 11, 12	CCP	5	4532
Spanish 3	10, 11, 12	H	5	4533
Spanish 3	10, 11, 12	A	5	4534
Spanish 4	11, 12	CCP	5	4542
Spanish 4	11, 12	H	5	4543
Spanish 4	11, 12	A	5	4544
Spanish 5	12	CCP	5	4552
Spanish 5	12	H	5	4553
AP Spanish Language	12	A	5	4554*
Spanish for Native and Heritage Speakers	9, 10, 11, 12	CCP	5	**4562***
Spanish for Native and Heritage Speakers	9, 10, 11, 12	H	5	**4563***
Mandarin 1	9, 10, 11, 12	CCP	5	4612
Mandarin 1	9, 10, 11, 12	H	5	4613
Mandarin 2	10, 11, 12	CCP	5	4622
Mandarin 2	10, 11, 12	H	5	4623
Mandarin 2	10, 11, 12	A	5	4624
Mandarin 3	11, 12	CCP	5	4632
Mandarin 3	11, 12	H	5	4633
Mandarin 3	11, 12	A	5	4634
Mandarin 4	12	CCP	5	4642
Mandarin 4	12	H	5	4643
AP Chinese Language	12	A	5	4644*
Independent Foreign Language Study	11, 12	H	5	4190

* *Teacher and/or Department Chair approval required*

French

French 1 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4112)***

This course is designed to introduce students to the essentials of beginning French. This course enables students to communicate at a novice level in speaking and writing, and acquire listening comprehension skills. Short reading selections are introduced. Cultural focus is aimed at exploring diverse aspects of daily life and customs in the French-speaking world.

French 1 - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4113)***

This course is designed to introduce students of above average language ability to the essentials of beginning French. It enables students to communicate at a novice level in speaking and writing, and acquire listening comprehension skills. Short reading selections are introduced. Cultural focus is aimed at exploring diverse aspects of daily life and customs in the French-speaking world. Interested students will prepare for the National French Exam. ***Prerequisite: Recommendation of middle school teacher and/or guidance counselor***

French 1 - Advanced ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4114)***

This course is designed to introduce students of superior language ability to beginning French. It enables students to communicate at a high novice level in speaking and writing, and acquire listening comprehension skills. Short reading selections are introduced. Cultural focus is aimed at exploring diverse aspects of daily life and customs in the French-speaking world. Interested students will prepare for the National French Exam. This course is designed as part of an Advanced Placement curriculum.

Prerequisite: Recommendation of middle school teacher and/or guidance counselor and completion of required summer work

French 2 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4122)***
French 2 College and Career Preparatory is a continuation and expansion of French 1 CCP. It aims to develop further the four basic language skills, and special emphasis is given to oral proficiency. Reading is expanded to longer passages and some authentic materials. There is further continuation of the study of the French speaking world.

French 2 - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4123)***
French 2 Honors challenges above average language students to progress further towards proficiency in speaking, listening, and writing skills. The French-speaking world is studied. There is also increased use of authentic reading materials. Interested students will prepare for the National French Exam.

French 2 - Advanced ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4124)***
French 2 Advanced is designed for the highly motivated student. The course reviews and expands the use of structure and vocabulary studied in French 1 Honors. Greater mastery is expected in the further development of the four basic language skills. There is increased emphasis on self-expression through written compositions and oral presentations. Reading comprehension skills are expanded with the use of longer authentic documents: newspaper articles and stories intended for native speakers. Students will also study French culture more in depth and will prepare for the National French Exam. There may be a required summer assignment for this course.

French 3 - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(4132)***
French 3 College and Career Preparatory continues to expand the four basic skills of oral comprehension, speaking, reading, and writing to a greater extent. Small group discussions, role-playing, and a wide variety of written expressions will be stressed to build confidence in communication. To further develop a better understanding of France, a study of different provinces is introduced.

French 3 - Honors ***Gr. 10, 11, 12 - 5 Credits*** ***(4133)***
French 3 Honors reviews and expands the use of structure and vocabulary studied in French 2 Honors. The communicative skills of listening, speaking, reading, and writing are developed in greater detail, and students focus on narrating events in the past. The regions of France are studied with emphasis on geography, customs, and cuisine. Interested students will prepare for the National French Exam.
This course is available for optional Dual Enrollment credit, please see page 18.

French 3 - Advanced ***Gr. 10, 11, 12 - 5 Credits*** ***(4134)***
French 3 Advanced reviews and expands the use of structure and vocabulary studied in French 2 Advanced. Listening, speaking, reading, and writing skills are developed in greater detail with emphasis on oral presentations and extensive writing. Major events and people in French history are studied in depth. Edited versions of selected pieces of French literature are read, discussed and analyzed. Students will prepare for the National French Exam. There may be a required summer reading assignment for this course.

French 4 - CCP ***Gr. 11, 12 - 5 Credits*** ***(4142)***
French 4 College and Career Preparatory aims to develop the four basic language skills with increased emphasis on conversation and writing. Narration of past events is a focus of written and oral assignments, and advanced grammatical credits are examined. Reading and film selections include authentic works.

French 4 - Honors ***Gr. 11, 12 - 5 Credits*** ***(4143)***
French 4 Honors reviews and expands the use of structure and vocabulary studied in French 3 and French 2 Honors. Communicative skills are further developed with increased proficiency expectations around oral presentations and written compositions. Reading selections include authentic French readings in a wide variety of formats, as well as the examination of some literary works. Students study the regions of France and important events and people in French history. Interested students will prepare for the National French Exam.

French 4 - Advanced ***Gr. 11, 12 - 5 Credits*** ***(4146)***

French 4 Advanced is designed to meet the needs students continuing their study of French due to interest in conversation, current events, literature and history. In addition, the class is designed to help students start to prepare for the Advanced Placement French Language exam. This course seeks to further develop listening, speaking, reading and writing skills and apply them to various activities and disciplines. Course objectives include: 1) to understand the spoken language in both formal and conversational situations, 2) to speak with accuracy and fluency, using correct pronunciation and intonation, 3) to acquire vocabulary and understand structure so as to be able to read with ease and accuracy newspaper and magazine articles, as well as literature, 4) to express ideas accurately and fluently in writing. Students will prepare for the National French Exam. There is a required summer reading assignment for this course.
Prerequisite: Approval of the French 3 teacher is required.

French 5 - CCP ***Gr. 12 - 5 Credits*** ***(4152)***

French 5 CCP is a continuation of French 4 CCP. Vocabulary and structure are reviewed and expanded with the goal of increased communicative proficiency. Students will present oral dialogues, skits, and reports and will develop writing skills in a variety of formats including journal entries, letters, and essays. The cultural content of the course includes the French Revolution and French contributions to the world of literature, philosophy, science and the arts.
Prerequisite: Approval of the French 4 teacher is required.

French 5 - Honors ***Gr. 12 - 5 Credits*** ***(4153)***

French 5 Honors seeks to further develop listening, speaking, reading and writing skills that can be applied to various activities and disciplines. The course aims to help students to understand the spoken language in both formal and conversational situations, to speak with accuracy and fluency, to acquire vocabulary, to understanding structure in newspaper and magazine articles and literature, and to express ideas accurately and fluently in writing. Topics in current events, literature, and history are discussed, and interested students will prepare for the National French Exam.
Prerequisite: Approval of the French 4 teacher is required.

AP French Language - Advanced ***Gr. 12 - 5 Credits*** ***(4144*)***

Advanced Placement French Language will be conducted completely in French. Throughout the year, students will thoroughly review grammatical structure, review and expand vocabulary, refine writing and speaking skills and study of a variety of authentic French sources, including novels, short stories, podcasts and newspaper and magazine articles. In addition, students will prepare for the SAT French Subject Test, the National French Exam, and the Advanced Placement French Language Exam. There is a required summer reading assignment for this course. Students are required to complete the Advanced Placement French Language exam.
Prerequisite: Approval of the French 4 teacher and Department Chair

Italian

Italian 1 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4312)***

Italian 1 College and Career Preparatory offers students an introduction to the essentials of beginning Italian. It aims to develop the four basic language skills of listening, speaking, reading, and writing at the elementary level. Basic conversational skills are introduced, and students will be able to read simple written selections. Italian culture and history is introduced with an emphasis on diverse aspects of daily life and customs in Italy.

Italian 1 - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4313)***

This course introduces students of above average language ability to the essentials of beginning Italian. Simple grammatical structures are taught which will enable the student to engage in communication at a novice level, including speaking and writing with the use of relevant vocabulary. Listening comprehension and reading skills are developed, and students will write short compositions on familiar topics. The students are introduced to the geography and culture of the Italian people. Diverse aspects of Italian daily life and customs are explored.
Prerequisite: Approval of foreign language teacher and/or guidance counselor is required

Italian 2 - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(4322)***
Italian 2 College and Career Preparatory is a continuation of Italian 1 Prep, with further development of listening with comprehension, speaking, reading and writing. Students are encouraged through group work to further develop their conversational and reading skills. There is an emphasis on vocabulary building and the continued study of Italian culture and daily life. In addition, there is an emphasis on Italian history and the provinces of Italy.

Italian 2 - Honors ***Gr. 10, 11, 12 - 5 Credits*** ***(4323)***
Italian 2 Honors reviews and expands the use of structure and vocabulary studied in Italian 1 Honors. There is further development of the communicative skills of listening, speaking, reading and writing. Written compositions and oral presentations are an integral part of this course, and students will read a variety of narratives and authentic materials. There is continued study of the Italian culture. In addition, there is an emphasis on Italian history and the provinces of Italy.

Italian 2 - Advanced ***Gr. 10, 11, 12, - 5 Credits*** ***(4324)***
Italian 2 Advanced challenges superior language students to progress further toward proficiency in complex speaking, listening, and writing activities. Reading selections include a variety of narratives and authentic materials that stress grammar, vocabulary, and cultural aspects of Italy and the Italian-speaking world. Practical communication skills will be emphasized.

Italian 3 - CCP ***Gr. 11, 12 - 5 Credits*** ***(4332)***
Italian 3 College and Career Preparatory reviews and expands the use of grammar and vocabulary. Students have the opportunity to further develop their oral and written language skills. Reading comprehension skills are expanded through short readings and authentic materials. There is additional study of Italian history and culture and Italian contributions in the fields of literature, arts and sciences. Italian authors are studied, and excerpts from their work are read.

Italian 3 - Honors ***Gr. 11, 12 - 5 Credits*** ***(4333)***
Italian 3 Honors reviews and expands the use of the advanced grammatical structure and vocabulary studied in Italian 2 Honors. There is greater attention to detail in listening, speaking, reading and writing exercises, with greater emphasis on originality in oral and written aspects. Short selections by Italian authors and authentic materials are read and analyzed in class. In addition, there is more in-depth study of Italian art and culture with emphasis on the contributions in the fields of literature, art and sciences.
This course is available for optional Dual Enrollment credit, please see page 18.

Italian 3 - Advanced ***Gr. 11, 12 - 5 Credits*** ***(4334)***
Italian 3 Advanced will develop oral, writing, reading and listening proficiency of students with superior language ability. Complexities of grammar and vocabulary mastery will be emphasized. More advanced, authentic readings will be used and students will develop a deeper understanding of Italian culture and customs.

Italian 4 - CCP ***Gr. 12 - 5 Credits*** ***(4342)***
Italian 4 College and Career Preparatory is a continuation of Italian 3 Prep. It develops further the four basic language skills with increased emphasis on conversation, composition writing, literature and the cultural contributions of Italians. Functional vocabulary, as well as grammatical structures, are reviewed and expanded to enable the student to function effectively in everyday situations. Reading comprehension is further developed through the introduction of short selections with controlled vocabulary and literary readings to reinforce grammatical concepts. There is strong emphasis on the historical background of Italy, Italian art history and Italian literature.

Italian 4 - Honors ***Gr. 12 - 5 Credits*** ***(4343)***
Italian 4 Honors is a continuation of Italian 3 Honors. Continued emphasis is placed on the refinement and enhancement of proficiency in all four language skills (speaking, listening comprehension, reading and writing) through varied activities such as oral presentations, role-playing creative and expository writing. Functional vocabulary and grammatical structures are reviewed and expanded on a more sophisticated level to allow students to function in a more effective manner in everyday situations. Historical, geographical and cultural studies are included as well as an exposure to contemporary Italian literature.

AP Italian Language - Advanced ***Gr. 12 - 5 Credits*** ***(4344*)***
AP Italian 4 is designed for students of superior language ability who desire to take the Italian advanced placement exam. There will be an emphasis on using authentic materials in speaking, writing, reading, and listening. Students will look critically at the materials and examine the subtleties of the language. Students will go more in depth into Italian history and modern culture. Students will be prepared to take the Italian Advanced Placement test in May.
Prerequisite: Approval of the Italian 3 teacher and Department Chair

Latin

Latin 1 - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4413)***
In Latin 1 Honors students will learn the fundamentals of Latin grammar and usage. Students will acquire a basic vocabulary and their related English derivatives. Reading and translation skills are developed through the use of short selections. Students will be introduced to the culture and daily life in Rome. In addition, interested students will prepare for the National Latin Exam, Level I.
Prerequisite: Recommendation of foreign language teacher and/or guidance counselor

Latin 2 - Honors ***Gr. 10, 11, 12 - 5 Credits*** ***(4423)***
After students review the principles learned in Latin 1, more advanced grammatical forms are studied to prepare the student for reading Roman authors, such as Caesar, Plautus and Cato. Students increase their Latin vocabulary, particularly through advanced readings and projects. The history, culture and mythology of ancient Rome are also studied through readings. Interested students will prepare for the National Latin Exam, Level II.

Latin 2 - Advanced ***Gr. 10, 11, 12 - 5 Credits*** ***(4424)***
This class is designed for students who excel in Latin 1H. Students will emphasize intensive vocabulary acquisition in preparation to do critical reading of ancient works. Students will learn complex grammar skills. The history, culture, and mythology of ancient Rome are also studied.

Latin 3 - Honors ***Gr. 11, 12 - 5 Credits*** ***(4433)***
The primary objective of Latin 3 Honors is for students to gain proficiency in reading Latin literature. Beginning with a review of the fundamental principles of grammar studied in Latin 1 and 2, the course continues with the introduction of more advanced syntax. Students will read works by authors such as Cicero, Catullus, Horace, Petronius and Martial. Stylistic elements are analyzed, and the authors' influence on both the classical and modern world is considered. The historical background of each of these authors will be studied through lectures, outside readings and writing assignments. During the course, preparation will be offered for the National Latin Exam, Level III.

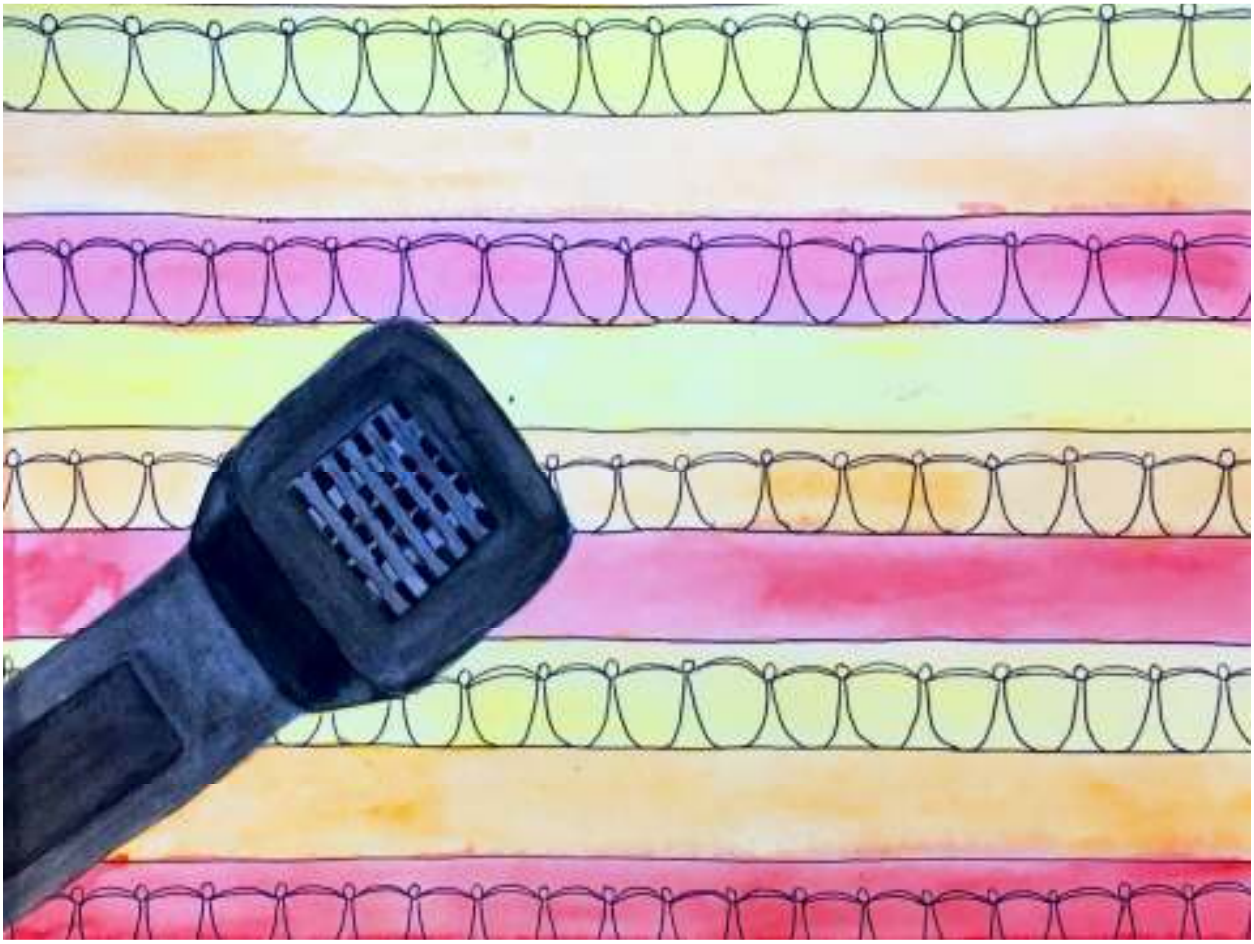
Latin 3 - Advanced ***Gr. 11, 12 - 5 Credits*** ***(4434)***
In Latin 3 Advanced, students gain proficiency and pleasure in reading Latin literature. This fast-paced class begins with a review of the fundamental principles of grammar studied in Latin 1 and 2, the course continues with the introduction of more advanced syntax and vocabulary. Next, advanced reading selections will be read and analyzed and students will understand how Roman authors have influenced modern writing through an in depth look at stylistic elements. The course will continue with a thorough study of Roman history and may include the works of Cicero, Catullus, Horace, Petronius and Martial. The historical background of each of these authors will be studied through lectures, outside readings and writing assignments. During the course, students will prepare for the National Latin Exam, Level III.

Latin 4 - Honors ***Gr. 11, 12 - 5 Credits*** ***(4443)***
Latin 4 Honors will begin with a review of grammar and syntax accompanied by selective readings. The class will learn some of the fundamental rules of meter in Latin Poetry. The historical background of works will be studied through lectures, outside readings and writing assignments with a focus on stylistic elements and historical context. This class will prepare students for college-level Classics courses through the analysis and translation of some of the language's most famous literary and poetic works. During the course, preparation will be offered for the SAT Latin Subject Test and the National Latin Exam 3-4 Prose.

AP Latin - Advanced ***Gr. 12 - 5 Credits*** ***(4444*)***

Advanced Placement Latin will offer students an intensive study of selected works from authors including Cicero, Catullus, Vergil, Horace and Ovid, Roman values and culture, and the influence of ancient Rome in the modern world. The primary objective is for them to read these authors in their original language with proficiency. In addition to this, through their study of Cicero, they will learn some of the ways in which he perfected the art of rhetoric. In their studies of the poets, they will learn to analyze figurative language and to recite poems in the epic meter as well as in some of the lyric meters. Students will also study the historical and cultural background of these authors. This class will prepare students for college-level Classics courses through the analysis and translation of some of the language's most famous literary and poetic works. There is an emphasis on college level skills of oral presentation, note-taking, outlining, research, literary analysis, and cross-discipline investigation. This course prepares students for the National Latin Exam Level 5 as well as the Advanced Placement Latin Exam. Students are required to complete the Advanced Placement Latin Exam.

Prerequisite: Approval of the Latin 4 teacher and Department Chair



Artwork by Anne M., Grade 12, Quincy High School

Spanish

Fundamentals of Spanish 1 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4510) NQHS ONLY***
Fundamentals of Spanish 1 is designed for students who experience difficulties in learning a foreign language. This course focuses on practical daily vocabulary with a more functional approach to grammar. Students are introduced to the geography and culture of Spanish speaking countries.

Spanish 1 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4512)***
Spanish 1 College and Career Preparatory introduces students to the essentials of beginning Spanish. Simple grammatical structures are taught, which enable students to communicate in speaking and writing using practical, relevant vocabulary. Basic listening comprehension and reading skills are acquired, and short reading selections are studied. Students are introduced to the geography and diverse aspects of daily life and customs in the Hispanic world.

Spanish 1 - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4513)***
Spanish 1 Honors introduces students of above average language ability to Spanish. Beginning grammatical structures are taught, which enables the student to communicate at a novice level in speaking and writing, using practical, relevant vocabulary. Basic listening comprehension skills are acquired, and short reading selections are studied. Students are introduced to the geography and diverse aspects of daily life and customs in the Hispanic world. Interested students will prepare for the National Spanish Exam.

Spanish 2 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4522)***
Spanish 2 College and Career Preparatory aims to further develop the four basic language skills attained in middle school Spanish or in Spanish 1 College and Career Preparatory with special emphasis on oral proficiency through the use of practical and relevant vocabulary. Reading is expanded to longer passages, and includes a variety of authentic materials. Examination of daily life and customs in the Hispanic world continues.

Spanish 2 - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4523)***
Spanish 2 Honors is for students of above average ability who have had success in middle school Spanish or in Spanish 1 Honors. The course challenges these students to progress further toward proficiency in speaking, listening, and writing skills. Application of grammar and vocabulary is expanded. Self-expression is emphasized through written compositions and oral presentations. Reading consists of short, authentic selections that stress cultural aspects of the Hispanic world. This class will be conducted mostly in Spanish. Interested students will prepare for the National Spanish Exam. There may be a required summer assignment for this course.

Spanish 2 - Advanced ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(4524)***
Spanish 2 Advanced is designed for highly motivated and capable students who have very successfully completed work at the middle school level or in Spanish I Honors. Greater mastery is expected in the further development of the four basic language skills, with application of grammar principles and vocabulary to further develop self-expression in writing and speaking. The culture of the Hispanic world is studied in greater detail through readings, discussions and the use of multi-media technologies. This class will be conducted mostly in Spanish. Students will prepare for the National Spanish Exam. There may be a required summer assignment for this course.

Fundamentals of Spanish 2 - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(4520) NQHS ONLY***
Fundamentals of Spanish 2 is a continuation of Fundamentals of Spanish 1. This course focuses on a review and expansion of practical daily vocabulary with a more functional approach to grammar. There is emphasis on oral proficiency and the study of Hispanic cultures is continued. This course is designed for students who experience difficulties in learning a foreign language.

Spanish 3 - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(4532)***
Spanish 3 College and Career Preparatory is a continuation of Spanish 2 Prep. There is further development of listening comprehension, speaking, reading and writing skills, as well as increased appreciation and awareness of Hispanic culture through readings and discussions. Application of grammar and vocabulary is expanded. Self-expression is emphasized through written compositions and oral presentations. There is a special focus on Hispanic culture through readings, discussions and use of multi-media technologies.

Spanish 3 - Honors ***Gr. 10, 11, 12 - 5 Credits*** ***(4533)***

Spanish 3 Honors is a continuation of Spanish 2 Honors and emphasizes a greater mastery of the four basic skills, through listening activities, writing and performing dialogues, reading advanced selections from Hispanic authors and writing compositions. The culture of Spanish speaking countries is studied in greater detail. This class will be conducted mostly in Spanish. Interested students will prepare for the National Spanish Exam.

Spanish 3 - Advanced ***Gr. 10, 11, 12 - 5 Credits*** ***(4534)***

In Spanish 3 Advanced, practical vocabulary and grammar concepts will be reviewed and expanded. Emphasis is placed on continued mastery of students' communicative skills. Students will be required to apply grammatical concepts and vocabulary by preparing lengthy oral presentations and writing assignments. This class will be conducted almost completely in Spanish. Students will prepare for the National Spanish Exam. There may be a required summer reading assignment for this course.

Spanish 4 - CCP ***Gr. 11, 12 - 5 Credits*** ***(4542)***

In Spanish 4 College and Career Preparatory students further develop their communication skills, both oral and written. Situational vocabulary and grammatical structures are reviewed and expanded. Reading comprehension is further developed through the introduction of short selections by Hispanic authors, as well as continued use of controlled readings.

Spanish 4 - Honors ***Gr. 11, 12 - 5 Credits*** ***(4543)***

Spanish 4 Honors is a continuation of Spanish 3 Honors. With extensive study of topical vocabulary, this course aims to further advance students' proficiency in oral and written communication. Advanced grammatical and idiomatic structures will be reviewed and emphasized, preparing interested students for the SAT Spanish Subject Test. There will be a further development of understanding and appreciation of Hispanic culture through authentic texts and film. This class will be conducted mostly in Spanish. Interested students will prepare for the National Spanish Exam.

Spanish 4 - Advanced ***Gr. 11, 12 - 5 Credits*** ***(4544)***

Conducted completely in Spanish, Spanish 4 Advanced includes a thorough review and refinement of grammatical concepts. There is an emphasis on the refinement and enhancement of proficiency in Spanish in all four primary skills - listening, speaking, reading and writing. Students will be exposed to Spanish contemporary literature in the form of short stories, plays and novels. Students will read, analyze and critically evaluate assigned works. Students will be required to prepare oral talks, write sophisticated essays on selected topics and present cultural projects. There will be significant study of the history, geography and literature of Spain. Students will prepare for the National Spanish Exam. There may be a required summer reading assignment for this course.

Spanish 5 - CCP ***Gr. 12 - 5 Credits*** ***(4552)***

Spanish 5 College and Career Preparatory is a continuation of Spanish 4 Prep. It further develops speaking, listening comprehension, reading and writing skills. There is an emphasis on developing oral communication skills, and students are required to present original dialogues, skits, demonstrations and oral reports. Reading will concentrate on selected short stories and other works of classical and contemporary Hispanic writers. Advanced grammatical and idiomatic structures will be reviewed, preparing interested students for the SAT Spanish Subject Test. There will be a further development of understanding and appreciation of Hispanic culture.

Spanish 5 - Honors ***Gr. 12 - 5 Credits*** ***(4553)***

Spanish 5 Honors includes a thorough review and refinement of grammatical concepts covered in Spanish 4 Honors. There is a continued emphasis on increasing proficiency in Spanish in the four language skills of conversation, listening comprehension, reading and writing. Students will be exposed to Spanish literature in the form of classic and contemporary short stories. Students will read, analyze and evaluate assigned work. Students will be required to prepare oral talks and presentations, write essays on selected topics as well as their own autobiography, and keep a journal. Classes will be conducted in Spanish, and interested students will prepare for the National Spanish Exam.

AP Spanish Language - Advanced Gr. 12 - 5 Credits (4554*)
This course is conducted completely in Spanish. The course includes a refinement of Spanish conversation, listening comprehension, reading and writing skills. Students will be exposed to contemporary literature in the form of short stories, plays, and novels. Students will read, analyze and critically evaluate assigned works. Students will be required to prepare videos, oral talks, and presentations and write sophisticated essays on selected topics. The course will include intensive preparation for the Advanced Placement Spanish Language Exam, the National Spanish Exam and the SAT Spanish Subject Test. There is a required summer reading assignment for this course. Students are required to complete the Advanced Placement Spanish Language Exam.
Prerequisite: Approval of the Spanish 4 teacher and Department Chair

Spanish for Native and Heritage Speakers – CCP Gr. 9, 10, 11, 12 - 5 Credits (4562*) QHS ONLY
Spanish for Native and Heritage Speakers – Honors Gr. 9, 10, 11, 12 - 5 Credits (4563*) QHS ONLY
This course will enable native and heritage Spanish speakers to develop and maintain their home language by establishing or re-establishing connections with the language and culture. Students will enhance proficiency in Spanish through opportunities to listen, speak, read, and write in a variety of contexts and a to variety of audiences including their family, school, and community. Students will engage in an exploration of Hispanic cultures, including their own, enabling them to gain a better understanding of the nature of their language, culture, and identity.

Spanish for Native and Heritage Speakers could fulfill 1 year of the 2-year foreign language requirement for graduation. Eligibility will be contingent on the results of a diagnostic exam to be given in September.
Prerequisite: Approval of the Spanish teacher and Department Chair

Mandarin

Mandarin 1 - CCP Gr. 9, 10, 11, 12 - 5 Credits (4612)
In Mandarin 1 College and Career Preparatory, students practice oral and written communication skills to be able to communicate with native Chinese speakers in daily life situations. Basic pronunciation, pinyin transcription and character writing will be presented, with special emphasis given to developing oral communication based on everyday situations. Students will begin to study Chinese culture in this course as well.

Mandarin 1 - Honors Gr. 9, 10, 11, 12 - 5 Credits (4613)
Mandarin 1 Honors is primarily conducted in Mandarin. Students practice oral and written communication skills to be able to communicate with native Chinese speakers in daily life situations. Basic pronunciation, pinyin transcription and character writing will be presented, with special emphasis given to developing oral communication based on everyday situations. An extensive study of Chinese culture will be included in the course.
Prerequisite: Recommendation of middle school teacher and/or guidance counselor

Mandarin 2 - CCP Gr. 10, 11, 12 - 5 Credits (4622)
Mandarin 2 College and Career Preparatory is a continuation of Mandarin 1 Prep. This course aims to further develop the basic communicative language skills of listening and speaking, and there will be a larger emphasis on reading and writing. More sophisticated skills such as sentence pattern and word order unique to Chinese language will be introduced. Chinese culture will be presented in more detail.

Mandarin 2 - Honors Gr. 10, 11, 12 - 5 Credits (4623)
Mandarin 2 Honors is a continuation of Mandarin 1 Honors, which aims to further develop the oral proficiency and functional literacy skills previously attained. More sophisticated skills such as sentence pattern and word order unique to Chinese language will be introduced. Students will write sentences, paragraphs and dialogues, and increased emphasis will be placed on comprehending cultural readings. Chinese culture will be presented in greater detail.

Mandarin 2 - Advanced Gr. 10, 11, 12 - 5 Credits (4624)
Mandarin 2 Advanced aims to further develop oral proficiency and functional literacy in modern Mandarin Chinese. There will be more emphasis on reading and writing, but class activities and oral presentations will also be conducted to further develop effective communication skills. More sophisticated skills such as sentence pattern and word order unique to Chinese language will be introduced. Students will write sentences, paragraphs, dialogues and short narratives. Chinese culture will be presented in great detail.

Mandarin 3 - CCP ***Gr. 11, 12 - 5 Credits*** ***(4632)***
In Mandarin 3 College and Career Preparatory, more sophisticated communicative language skills will be emphasized. Short, simple modern Chinese stories will be introduced to develop the students' reading comprehension abilities. Students will write phrases and sentences, simple stories and diary entries. Also, Chinese culture will be explored.

Mandarin 3 - Honors ***Gr. 11, 12 - 5 Credits*** ***(4633)***
In Mandarin 3 Honors, more sophisticated communicative and presentational language skills will be emphasized. Short, simple modern Chinese stories will be read to develop the students' reading comprehension abilities. Students will write letters, dialogues, diary entries, short stories and summaries of the reading selections. Also, Chinese culture will be explored.

Mandarin 3 - Advanced ***Gr. 11, 12 - 5 Credits*** ***(4634)***
Mandarin 3 Advanced is a continuation of Mandarin 2 Advanced. In this course, additional simple modern Chinese stories and articles will be introduced to develop students' reading comprehension abilities. Students will write more letters, dialogues, diary entries, short stories and literature summaries. Chinese culture will be explored.

Mandarin 4 - CCP ***Gr. 12 - 5 Credits*** ***(4642)***
In Mandarin 4 College and Career Preparatory, reading, writing, speaking and listening, skills will be practiced continually. More modern Chinese works and some simple classic Chinese works will be taught. Students will be asked to write more stories and diaries. Chinese culture will be explored in more detail.

Mandarin 4 - Honors ***Gr. 12 - 5 Credits*** ***(4643)***
Mandarin 4 Honors aims to further develop language proficiency, communication skills and cultural understanding. Traditional textbooks as well as multimedia materials will be integrated to cover a wide range of topics related to Chinese history, culture and society. Group discussions and student presentations will be conducted regularly to develop narrating, describing, presenting and debating skills.

AP Chinese Language - Advanced ***Gr. 12 - 5 Credits*** ***(4644*)***
Conducted exclusively in Mandarin, AP Chinese Language is designed for students who are motivated to continue intensive study of the Chinese language and culture in preparation for the Advanced Placement examination. Students who have successfully completed Mandarin 3 Advanced or demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. An intensive grammar and usage review will be included. Students will read critically on a wide range of topic areas related to current events, Chinese culture and Chinese literature. There will be bi-weekly writing assignments based on materials covered in class and student-led discussions. A literary, cultural and/or linguistic project will be researched and presented to the class each quarter. Students are required to complete the Advanced Placement Chinese exam.
Prerequisite: Approval of the Mandarin 3 teacher and Department Chair required

Independent Foreign Language Study - Honors ***Gr. 11, 12 - 5 Credits*** ***(4190*)***
Permission to elect Independent Foreign Language Study is granted to students of Level III, IV, and V Honors/Advanced courses in the Foreign Language Department provided that all of the following conditions are met:

1. The student cannot fit into the already existing course.
2. A teacher is available and willing to instruct the student.
3. Common meeting time can be scheduled.
4. Written approval of the department chair is required.

Prerequisite: Department Chair approval

MATHEMATICS

The core values, beliefs about learning and 21st century student expectations of the Quincy Public Schools Mathematics Department are in accord with the guiding philosophies, principles and strands of the National Council of Teachers of Mathematics *Principles and Standards for School Mathematics*, the *Massachusetts Curriculum Framework for Mathematics,* the *Common Core State Standards for Mathematics* and the College Board AP Programs for Calculus, Statistics and Computer Science.

The guiding principles of mathematics education are:

- Students explore mathematical ideas in ways that maintain their enjoyment of and curiosity about mathematics and that help them develop depth of understanding, and reflect real-world applications.
- All students have access to high quality mathematics programs.
- Mathematics is a lifelong process that begins and continues in the home and extends to school and community settings.
- Mathematics instruction connects with other disciplines and moves toward integration of mathematical domains.
- Working together in teams and groups enhances mathematical learning, helps students communicate effectively, and develops social and mathematical skills.
- Technology is an essential tool for effective mathematics education.
- Mathematics assessment is a multifaceted tool that monitors student performance, improves instruction, enhances learning, and encourages student self-reflection.

We believe that students achieve mathematical competence through the practices of:

- Making sense of problems and persevering in solving them.
- Reasoning abstractly and quantitatively.
- Constructing viable arguments and critiquing the reasoning of others.
- Modeling with mathematics.
- Using appropriate tools strategically.
- Attending to precision.
- Looking for and making use of structure.
- Looking for an express regularity in repeated reasoning.
- Making mathematical connections, both within the discipline and across disciplines.
- Understanding the relationships among a variety of mathematical representations.

All mathematics programs emphasize the following content:

- Number sense
- Patterns, relations, and functions
- Geometry and measurement
- Statistics, probability, and analysis
- Modeling

All students are required to PASS three math courses for graduation requirements, although many colleges require four years of mathematics. As a result, it is very important to select math courses at the proper level. Your teacher's leveling recommendation will be very important to ensure your success in problem solving and critical thinking.

Course Name	Grades	Level	Credits	Course #
EL Algebra 1	9, 10, 11, 12	CCP	5	**1202****
EL Geometry	9, 10, 11, 12	CCP	5	**1212****
EL Mathematics	9, 10, 11, 12	CCP	5	1280**
EL Mathematics	9, 10, 11, 12	H	5	1281**
EL Algebra 2	10, 11, 12	CCP	5	**1222****
Algebra 1	9	CCP	5	1002
Algebra 1	9	CCP	5	9311*
Algebra 1	9	H	5	1003
Algebra 1	9	A	5	1004
Algebra 1	10, 11	CCP	5	1005*
Geometry	9, 10	A	5	1014
Geometry	10	CCP	5	1012
Geometry	10, 11, 12	CCP	5	9312*
Geometry	11, 12	CCP	5	1019
Geometry	10, 11, 12	H	5	1013
Algebra 2	10	A	5	1024
Algebra 2	11	CCP	5	1022
Algebra 2	12	CCP	5	1029*
Algebra 2	10, 11	H	5	1023
Algebra 2 Part A	11	CCP	5	**9337***
Algebra 2 Part B	12	CCP	5	**9395***
Algebra 3 and Trigonometry	12	CCP	5	**1032**
Topics in Applied Math	12	CCP	5	**1082**
Discrete Math	12	CCP	5	**1043**
Pre-Calculus	11	A	5	1025
Pre-Calculus	11, 12	CCP	5	1052
Pre-Calculus	11, 12	H	5	1063
Statistics	11, 12	H	5	**1113**
Calculus	12	H	5	1053
AP Calculus	12	A	5	1064*
AP Statistics	11, 12	A	5	1114*
Intro to Programming and Statistics	10, 11, 12	A	5	**1092**
AP Computer Science	11, 12	A	5	**1097**
Math Independent Study	10, 11, 12	H	5	1190*
SAT Math Prep	11, 12		1.25	8187

**Teacher and/or Department Chair approval required*
*** For students specifically approved for the English Language Learner Program only*

EL Algebra 1 - CCP ***Gr. 9, 10, 11, 12 - 5 credits*** ***(1202**) NQHS ONLY***
This transitional course is only for students approved for the English Learner Program. Students will be in this class only until it is determined they are ready to be placed into a course in a regular math program. Major topics of this course include equations, inequalities, functions, linear functions, systems of equations and inequalities, exponents and polynomials, factoring polynomials, quadratic functions and equations, exponential functions, data analysis and probability. Calculator required.
****Prerequisite: Placement test and Department Chair approval***

EL Geometry - CCP ***Gr. 9, 10, 11, 12 - 5 credits*** ***(1212**) NQHS ONLY***
This transitional course is only for students approved for the English Learner Program. Instruction in this course is differentiated according to the individual needs of students in the class. Major topics of this course include foundations for geometry, geometric reasoning, parallel and perpendicular lines, triangle congruence, properties and attributes of triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, extending transformational geometry, extending perimeter, circumference and area, spatial reasoning, circles and probability. *Prerequisite***:** ***Placement test and Department Chair approval***

EL Mathematics - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(1280**)***
This transitional course is only for students approved for the English Learner Program. Students will be in this class only until it is determined they are ready to be placed into a course in a regular math program. This course prepares students for algebra and geometry. Instruction in this course is differentiated according to the individual needs of students in the class. Major topics of the course include exploring patterns, investigations in algebra, modeling integers, exploring the language of algebra, exploring data and graphs, exploring number theory, rational numbers, and percent.
****Prerequisite: Placement test and Department Chair approval***

EL Mathematics - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(1281**)***
Honors credit is awarded to EL Mathematics students who enroll late in the second semester and distinguish themselves in the course. This transitional course is only for students approved for the English Learner Program. This course prepares students for algebra and geometry. Instruction in this course is differentiated according to the individual needs of students in the class. Major topics of the course include exploring patterns, investigations in algebra, modeling integers, exploring the language of algebra, exploring data and graphs, exploring number theory, and rational numbers and percent.
****Prerequisite: Placement test and Department Chair approval***

EL Algebra 2 - CCP ***Gr. 9, 10, 11, 12 - 5 credits*** ***(1222**) NQHS ONLY***
This transitional course is only for students approved for the English Language Program. Instruction in this course is differentiated according to the individual needs of students in the class. Topics include foundations for functions, quadratic functions, polynomial functions, exponential and logarithmic functions, rational and radical functions, properties and attributes of functions, probability, data analysis and statistics, sequences and series, trigonometric functions, trigonometric graphs and identities and conic sections.
****Prerequisite: Placement test and Department Chair approval***

Algebra 1 - CCP ***Gr. 9 - 5 Credits*** ***(1002)***
Algebra 1 - CCP ***Gr. 9 - 5 Credits*** ***(9311*)***
Algebra 1 - CCP ***Gr. 10, 11 - 5 Credits*** ***(1005*)***
Major topics of this challenging course include equations, inequalities, functions, linear functions, systems of equations and inequalities, exponents and polynomials, factoring polynomials, quadratic functions and equations, exponential functions, data analysis and probability. Calculator required.
****Approval of teacher and Department Chair required***

Algebra 1 - Honors ***Gr. 9 - 5 Credits*** ***(1003)***
Major topics of this rigorous and demanding course include equations, inequalities, functions, linear functions, systems of equations and inequalities, exponents and polynomials, factoring polynomials, quadratic functions and equations, and exponential functions. Students are expected to work independently. Calculator required.

Algebra 1 - Advanced ***Gr. 9 - 5 Credits*** ***(1004)***
This most challenging, accelerated course is designed for students who have demonstrated that they have had substantial preparation in algebra in eighth grade. Major topics of this course include equations, inequalities, functions, linear functions, systems of equations and inequalities, exponents and polynomials, factoring polynomials, quadratic functions and equations, and exponential functions. These topics are explored in depth through a variety of enrichment activities. Graphing calculator required.
Prerequisite: Advanced Grade 8 Algebra with minimum grade of 80

Geometry - Advanced ***Gr. 9, 10 - 5 Credits*** ***(1014)***

Major topics of this most challenging, accelerated course include foundations for geometry, geometric reasoning, parallel and perpendicular lines, triangle congruence, properties and attributes of triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, extending transformational geometry, extending perimeter, circumference and area, spatial reasoning, circles and probability.

Prerequisite: Advanced Grade 8 Algebra with minimum grade of 90, and/or Department Chair approval based on teacher recommendation and placement test results

Geometry - CCP ***Gr. 10 - 5 Credits*** ***(1012)***
Geometry - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(9312*)***
Geometry - CCP ***Gr. 11, 12 - 5 Credits*** ***(1019)***

Major topics of this challenging course include foundations for geometry, geometric reasoning, parallel and perpendicular lines, triangle congruence, properties and attributes of triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, extending transformational geometry, extending perimeter, circumference and area, spatial reasoning, circles and probability.

****Approval of teacher and Department Chair required***

Geometry - Honors ***Gr. 10 - 5 Credits*** ***(1013)***

Major topics of this rigorous and demanding course include foundations for geometry, geometric reasoning, parallel and perpendicular lines, triangle congruence, properties and attributes of triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, extending transformational geometry, extending perimeter, circumference and area, spatial reasoning, circles and probability. Students are expected to work independently.

Algebra 2 - Advanced ***Gr. 10 - 5 Credits*** ***(1024)***

Major topics of this most challenging, accelerated course include foundations for functions, quadratic functions, polynomial functions, exponential and logarithmic functions, rational and radical functions, properties and attributes of functions, probability, data analysis and statistics, sequences and series, trigonometric functions, trigonometric graphs and identities and conic sections. Graphing calculator required.

Algebra 2 - CCP ***Gr. 11– 5 Credits*** ***(1022)***
Algebra 2 - CCP ***Gr. 12 - 5 Credits*** ***(1029*)***

Topics of this challenging course include foundations for functions, quadratic functions, polynomial functions, exponential and logarithmic functions, rational and radical functions, properties and attributes of functions, probability, data analysis and statistics, sequences and series, trigonometric functions, trigonometric graphs and identities and conic sections. Graphing calculator required.

****Approval of teacher and Department Chair required***

Algebra 2 - Honors ***Gr. 10, 11 - 5 Credits*** ***(1023)***

Major topics of this rigorous and demanding course include foundations for functions, quadratic functions, polynomial functions, exponential and logarithmic functions, rational and radical functions, properties and attributes of functions, probability, data analysis and statistics, sequences and series, trigonometric functions, trigonometric graphs and identities and conic sections. Students are expected to work independently. Graphing calculator required.

Algebra 2 Part A - CCP ***Grade 11 - 5 Credits*** ***(9337*) QHS ONLY***

This is the first part of a course in algebra 2 for students who would benefit from additional time spent on learning the initial concepts and skills of Algebra 2. Major topics of this course include linear equations, systems of equations and inequalities, polynomials and factoring, quadratic functions, polynomial functions, exponential and logarithmic functions. Graphing calculator recommended.

****Approval of teacher and Department Chair required***

Algebra 2 Part B - CCP ***Gr. 12 - 5 Credits*** ***(9395*) QHS ONLY***
This course is the second part of a course in algebra 2 for students who would benefit from additional time spent on learning the concepts and skills of Algebra 2. Major topics of this course include exponential and logarithmic functions, rational and radical functions, properties and attributes of functions, probability, data analysis and statistics, sequences and series, conic sections, trigonometric functions, trigonometric graphs and identities. Graphing calculator recommended.
****Approval of teacher and Department Chair required***

Algebra 3 and Trigonometry - CCP ***Gr. 12 - 5 Credits*** ***(1032) QHS ONLY***
For this course, we recommend the successful completion of Algebra 2 with a grade of 70. Topics covered include radicals in equations, conic sections, quadratic systems, the theory of equations, circular trigonometric functions and their applications, trigonometric identities, trigonometric equations, and complex numbers.

Topics in Applied Math - CCP ***Gr. 12 - 5 Credits*** ***(1082) NQHS ONLY***
This course covers topics in math relating to processing, evaluating, understanding, and applying numerical and graphical information in the real world. The course will address problem solving, finance, probability, geometry, statistics, and demographic studies. Requires use of a calculator.
Prerequisite: Algebra 2

Discrete Math - CCP ***Gr. 12 - 5 Credits*** ***(1043) NQHS Only***
This course is designed for those students who have successfully completed Algebra 2 but do not wish to go on to Pre-Calculus. Some of the topics covered are combinations, probability, statistics, data analysis, linear algebra and graph theory. Graphing calculators are used extensively in the course.

Pre-Calculus - Advanced ***Gr. 11 - 5 Credits*** ***(1025)***
Major topics of this most challenging course include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, matrices and determinants, sequences, probabilities and statistics, topics in analytic geometry, and an introduction to calculus, including limits. Graphing calculator required.

Pre-Calculus - CCP ***Gr. 11, 12 - 5 Credits*** ***(1052)***
Topics covered in this challenging course include radicals in equations, conic sections, quadratic systems, the theory of equations, circular trigonometric functions and their applications, trigonometric identities, trigonometric equations, and complex numbers. Graphing calculators are used extensively in the course. Requires use of a graphing calculator.
Prerequisite: Algebra 2 CCP with 80 or Algebra 2 H with a 70.

Pre-Calculus - Honors ***Gr. 11, 12 - 5 Credits*** ***(1063)***
Major topics of this rigorous and demanding course include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, additional topics in trigonometry, and topics in analytic geometry. Students are expected to work independently. Graphing calculator required.
This course is available for optional Dual Enrollment credit, please see page 18.

Statistics - Honors ***Gr. 11, 12 - 5 Credits*** ***(1113) NQHS ONLY***
This course will be available for students who do not qualify for Advanced Placement Statistics but would like an introductory and less intensive course in statistics. This course will prepare students for college courses in the social sciences that utilize statistics. Course topics will include exploring data, collecting and organizing data, probability, and an introduction to statistical inference. Grading will be based on homework, performance on tests and quizzes, and especially participation in group projects and presentations. This course will be largely a hands-on, project-based course. Students will collect data through Internet research and group research, and then will analyze their data and present their findings to the class. Students will complete the course with a practical understanding of statistics and the confidence and knowledge to apply it to college-level social science courses. This course will also be available to College and Career Preparatory level students who have achieved a 95 in Algebra 2 and complete a summer work packet. Graphing calculator required.
This course is available for optional Dual Enrollment credit, please see page 18.

Calculus - Honors Gr. 12 - 5 Credits (1053)

This course serves as an introduction to Calculus in order to prepare students for College Level Calculus I courses. It consists of a brief review of algebraic and transcendental functions, followed by calculus of a single variable. Major topics include limits, derivatives, techniques of differentiation and an introduction to integration. The students enrolled in this course will not be taking the AP Calculus exam. Students are expected to work independently. Graphing calculator required.

Prerequisite: Pre-Calculus Honors, minimum grade 80

AP Calculus AB - Advanced Gr. 12 - 5 Credits (1064*)

This advanced placement course consists of a full academic year of work in calculus and related topics equivalent to courses in colleges and universities. It is the Advanced Placement Calculus AB course as prescribed by the College Entrance Exam Board. The course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, axiomatic geometry, trigonometry, and analytic geometry (rectangular and polar coordinates, equations and graphs, lines, and conics). It consists of a complete study of elementary functions (algebraic and transcendental) and calculus (differential and integral) of a single variable. Major topics include a library of functions and key concepts such as: the derivative, the definite integral, short cuts to differentiation, using the derivative, constructing anti-derivatives, integration, using the definite integral, and differential equations. Students are required to complete the Advanced Placement exam in Calculus. Graphing calculator required.

****Approval of teacher and Department Chair required***

AP Statistics - Advanced Gr. 11, 12 - 5 Credits (1114*)

This most challenging course consists of a full year of academic work in statistics equivalent to courses in colleges and universities. It is the Advanced Placement Statistics course as described by the College Entrance Examination Board. It provides a useful background for advanced placement students who intend to pursue studies in the areas of mathematics, computer science, the social sciences, engineering or the natural sciences. Major topics continue work begun in the introductory course to include looking at data distributions, looking at data relationships, producing data, probability, inference for distributions, inference for proportions, inference for two-way tables, and inference for regression. Students are required to complete the Advanced Placement exam in Statistics. Graphing calculator required.

Prerequisite: Pre-Calculus (or taken concurrently)
Additional QHS prerequisite: Introduction to Programming and Statistics
****Approval of teacher and Department Chair required***

Introduction to Programming and Statistics - Advanced Gr. 10, 11, 12 - 5 Credits (1092) QHS ONLY

This course is a prerequisite for all students who wish to take an advanced placement course in either programming or statistics or both. Consisting of one semester of programming and one semester of statistics, this course is designed to introduce students to the fundamental concepts and skills of these two closely related disciplines. Major topics for programming include computer systems, objects and primitive data, program statements, selection and repetition structures. Major topics for statistics include data distributions, data relationships, producing data and probability.

Prerequisite: Geometry Advanced or Geometry Honors

AP Computer Science - Advanced Gr. 11, 12 - 5 Credits (1097*) QHS ONLY

This advanced placement course consists of a full academic year of work in programming equivalent to courses in colleges and universities. It is the Advanced Placement Computer Science course as prescribed by the College Board. In Advanced Placement Computer Science, students learn about computer science through programming. Fundamental topics in this course include the design of solutions to real world problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. To receive advanced credit, students are required to take the AP exam at the end of the course.

Prerequisite at QHS: Introduction to Programming and Statistics
****Approval of teacher and Department Chair required***

Math Independent Study - Honors ***Gr. 10, 11, 12 - 5 Credits*** ***(1190*)***
The student in cooperation with the Department Chair arranges this course individually.
****Approval of teacher and Department Chair required***

SAT Math Prep ***Gr. 11, 12 - 1.25 Credits*** ***(8187)***
This quarter-long course is recommended for any student who is interested in taking the SAT. Math content and test-taking strategies are emphasized. Throughout the course, students learn the shortcuts, strategies and critical thinking skills needed to prepare for the Math section of this test.
Unleveled course not included in GPA.

Artwork by Delana J., Grade 11, Quincy High School

SCIENCE

The core values and beliefs about learning and 21st century student expectations of the Quincy Public School's Science Department are in accord with those of our school and the guiding philosophies, principles and strands of the Massachusetts Curriculum Framework for Science/Technology and the College Board Advanced Placement Programs for Biology, Chemistry, Physics, and Environmental Science. In every course offered, both teachers and students evaluate each individual student's progress in achieving the school-wide academic and social expectations in addition to the scientific objectives of the course. Science courses are inquiry based, stressing scientific literacy, critical thinking and problem solving skills. A wide variety of learning activities including extensive laboratory work, field trips, classroom use of computers, audiovisual aids, and other technologies are employed to enhance the classroom experience for all students.

In our district, all science department course offerings are laboratory sciences and students must earn a passing score in three full-year courses in order to graduate. Students who have not yet met this requirement must enroll in a science course. It is strongly recommended that students preparing for college follow a four-year sequence of science courses, usually a ninth grade science, biology, chemistry, and physics.

Students who demonstrate high ability and interest in science may be eligible to select Advanced Biology or Honors Biology in the ninth grade upon the recommendation of their eighth grade science teacher and achievement of a passing score on the science placement examination administered at the end of the eighth grade. Tenth grade students must take a biology course unless they have previously passed biology at the high school level.

All Advanced Placement (AP) courses follow curricula approved by The College Entrance Examination Board and are designed to be equivalent to an introductory college course. All students enrolled in an AP course are required to take the associated end of course AP examination.

Please read the course descriptions carefully and note the required prerequisite(s) that are necessary to ensure success in each course. In many courses, an individual science project and/or participation in the school science fair is required.

Course Name	Grades	Level	Credits	Course #
EL General Science	9, 10, 11, 12	CCP	5	2280**
EL Biology	9, 10, 11, 12	CCP	5	2011**
EL Foundations of Natural Science	10, 11, 12	CCP	5	**2018****
EL Chemistry	10, 11, 12	CCP	5	**2019****
EL Introductory Physics	9, 10, 11, 12	CCP	5	**2017**
Life Science/Physical Science	9	CCP	5	**9321***
Life Science/Physical Science	9	CCP	5	2092
Earth Science/Physical Science	9, 10	H	5	**2063**
Biology	9, 10	A	5	2014*
Conceptual Biology	10, 11	CCP	5	2007
Conceptual Biology	10, 11	CCP	5	9322*
Biology	9, 10, 11	CCP	5	2012
Biology	9, 10, 11	H	5	2013
Foundations of Natural Science	10, 11, 12	CCP	5	**9323***
Chemistry	10, 11	A	5	2024*
Conceptual Chemistry	10, 11, 12	CCP	5	2020
Chemistry	10, 11, 12	CCP	5	2022
Chemistry	10, 11, 12	H	5	2023

Course Name	Grades	Level	Credits	Course #
Applied Biotechnology	11, 12	A	5	**2253**
Marine Science	11, 12	CCP	5	2072
Marine Science	11, 12	H	5	**2073**
Physics	11, 12	A	5	2034*
AP Physics 1	11, 12	A	5	2035*
AP Physics 2	12	A	5	**2047***
Physics	11, 12	CCP	5	2032
Physics	11, 12	H	5	2033
AP Biology	11, 12	A	5	2046*
AP Chemistry	10, 11, 12	A	5	2045*
AP Environmental Science	11, 12	A	5	2048*
Human Anatomy	11, 12	CCP	5	2832
Lab Assistant in Science	11, 12	H	5	**2191***
Sustaining the Future	11, 12	CCP	5	**2730**
Horticulture	11, 12	CCP	5	**2082**
Horticulture	11, 12	CCP	5	**9324***
Horticulture	11, 12	H	5	**2083**
Meteorology	11, 12	H	5	**2051**
Anatomy and Physiology	11, 12	H	5	2845
Zoology	12	CCP	5	**2142**
Forensic Science	11, 12	H	5	**2163**
Genetics	11, 12	H	5	**2173**
Earth Science	12	CCP	5	**2132**
Independent Science Study	12	H	5	2190*

**Department Chair approval required.*
***For students specifically approved for the English Learner program only.*

EL General Science - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(2280**)***
EL Science is a survey course that allows students for whom English is not the primary language to become familiar with the different areas of science. This course is an introductory course for students in the English Language Learner program. This course stresses the improvement of science vocabulary using general science concepts. Students will have an opportunity to develop laboratory skills through hands-on learning. In addition, students will study ecological principles and world biomes as they relate to the country they came from and their new environmental resources in the United States.

EL Biology - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(2011**)***
This course is designed to acquaint students in the English Language Learner Program with current biological concepts and theories in a readily understandable fashion. Emphasis is placed on vocabulary building and writing. Laboratory or demonstrations will be conducted once in every schedule cycle.
Prerequisite: EL Science

EL Foundations of Natural Science - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(2018**) QHS ONLY***
The purpose of the course is to provide an opportunity to interpret scientific concepts, questions and data. Topics covered will be cell biology, genetics, ecology, anatomy, biodiversity, and evolution. Students will receive practice reading scientific materials and will answer open-ended questions.
Prerequisite: Student must have taken and passed EL Science and EL Biology (2011) or equivalent

EL Introductory Physics – CCP ***Gr. 9, 10, 11, 12 – 5 Credits*** ***(2017) NQHS ONLY***
This course is designed to acquaint the English Learner with topics in introductory physics in a readily understandable fashion. Topics will be covered in both conceptual and quantitative aspects, with an emphasis on developing scientific vocabulary. Topics covered include motion, forces, energy, electromagnetism, thermodynamics, and waves. Laboratories or demonstrations will be conducted regularly. Students will also prepare for the MCAS in Introductory Physics.

EL Chemistry - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(2019) NQHS ONLY***
This course is designed to acquaint students in the English Language Learner Program at the Intermediate or Advanced fluency level with key areas of chemistry, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, gas laws, chemical periodicity, chemical bonding, electron configuration, organic chemistry, and nuclear chemistry. The course includes virtual and hands-on laboratories, and related assessments, used with a problem-solving book. Laboratory or demonstrations and/or hands on activities will be conducted once in every schedule cycle. Emphasis is placed on vocabulary building and writing.
Prerequisite: EL Biology, passing score on MCAS

Life Science/Physical Science - CCP ***Gr. 9 - 5 Credits*** ***(2092)***
Life Science/Physical Science - CCP ***Gr. 9 - 5 Credits*** ***(9321*) QHS ONLY***
This course provides all students a beginning knowledge of physical, earth and life sciences and offers insight into the means by which scientific knowledge is acquired. This introductory course is designed to serve as a foundation for students taking later courses in biology, chemistry, and physics. Fundamental principles of science emphasized in this class include the scientific method, metrics, introductory chemistry, structure of matter, how matter changes, the role of energy in chemical and physical changes, ecology and evolution. Experiments and activities are incorporated to teach scientific inquiry methods and critical thinking skills in an active and meaningful way. Opportunities are available for students to conduct a research project on a topic of their choice. Laboratory, demonstrations and/or hands-on activities will be conducted frequently throughout the course.
Prerequisite: Recommendation of Grade 8 science teacher

Earth Science/Physical Science - Honors ***Gr. 9 - 5 Credits*** ***(2063) QHS ONLY***
This course is open to ninth grade students who have demonstrated a strong interest and ability level in Science, but who may not yet have the a background to pursue an Advanced level course in grade nine. This course will acquaint students with the earth and its characteristics. Topics include the planet we inhabit, the structure and interactions of matter, forces and the laws of motion. Laboratory, demonstrations and/or hands-on activities will be conducted to support course concepts. Students are expected to conduct an independent research project on the topic of their choice.
Prerequisite: Recommendation of Grade 8 science teacher

Biology - Advanced ***Gr. 9, 10 - 5 Credits*** ***(2014*)***
This course is a detailed study of living things from biochemical compounds to complex vertebrates. Topics include organic chemistry, cell structure, cell function, photosynthesis, cellular respiration, DNA science, genetics, heredity, ecology, anatomy and physiology, classification, and the evolution of organisms. Laboratory experiences may include dissections of preserved specimens, investigation, design and interpretation of data. This course is accelerated and assumes students have already grasped skills in the foundation of life science, lab procedures and scientific reasoning. Each student will be required to complete an individual STEM fair project, participate in the STEM fair, and the MCAS test in the spring. Students are encouraged to take the end of course Biology SAT II Examination.
Prerequisite for Grade 9: Recommendation of Grade 8 science teacher; Department Chair approval
Prerequisite for Grade 10: Recommendation of Grade 9 science teacher and Department Chair approval

Conceptual Biology - CCP ***Gr. 10, 11 - 5 Credits*** ***(2007*)***
Conceptual Biology - CCP ***Gr. 10, 11 - 5 Credits*** ***(9322*)***
This course is designed to help students gain an understanding of basic biochemistry, cell theory, genetics, energy transfer, evolution, ecology and anatomy and physiology. It is designed to acquaint the student with current biological concepts and theories in a readily understandable fashion. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. Students will complete the Biology MCAS in the spring if they have not already met the competency determination for Science.
Prerequisite: Recommendation of Grade 9 science teacher; Department Chair approval (9322)

Biology - CCP ***Gr. 9, 10, 11 - 5 Credits*** ***(2012)***
The objective of this course is to help students gain an understanding of the fundamental concepts of the interrelationships among all living things. This course is a study of biological molecules, cell structure and function, DNA and molecular genetics, classical genetics, physiology, evolution, and ecology. Laboratory experiences may include dissection of preserved specimens, investigation, design and analysis and interpretation of data. Laboratory or demonstrations and/or hands on activities will be conducted once in every schedule cycle. Students enrolled in this course will take the Biology MCAS in the spring. Opportunities are available for students to conduct an independent research project on a topic of their choice.
Prerequisite: Recommendation of Grade 9 science teacher
9th Grade option offered at NQHS only. Recommendation of Grade 8 science teacher

Biology - Honors ***Gr. 9, 10, 11 - 5 Credits*** ***(2013)***
This course is a detailed study of living things from biochemical compounds to complex vertebrates. Topics include a thorough study of organic chemistry, cell structure, cell function, photosynthesis, cellular respiration, DNA science, genetics, heredity, ecosystems, evolutions and biodiversity. Students will investigate the interrelationship among the human body systems while maintaining homeostasis at the cellular level. Laboratory experiences may include dissection of preserved specimens, investigation, design and analysis and interpretation of data. Team problem solving and modeling are also used. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. Students in this course will take the Biology MCAS exam in the spring and are will conduct an independent research project on a topic of their choice.
Prerequisite for Grade 9: Recommendation of Grade 8 science teacher
Prerequisite for Grade 10: Recommendation of science teacher and/or Department Chair

Marine Science - CCP ***Gr. 11, 12 - 5 Credits*** ***(2072)***
This elective explores the biological, chemical, ecological, geological, and physical aspects of the marine environment. Special emphasis will be placed on the local ecology, the problems that need to be addressed to keep our oceans clean and productive, and the technological processes involved in the marine environment. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle.
Prerequisite: Successful Completion of Biology

Marine Science - Honors ***Gr. 11, 12 - 5 Credits*** ***(2073) QHS ONLY***
This elective explores the biological, chemical, ecological, geological, and physical aspects of the marine environment. The course requires that students integrate concepts from a variety of scientific disciplines such as chemistry, physics and biology. Students are required to complete an individual STEM fair project and participate in the STEM fair to receive honors level credit. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle.
Prerequisite: Successful Completion of Biology

Foundations of Natural Science - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(9323*) QHS ONLY***
This course is designed to support students needing to take the MCAS Test. The curriculum will reinforce learning that is directly relevant to the State Testing Program. Topics covered will be Cell Biology, Genetics, Ecology, Anatomy, Biodiversity, and Evolution. The purpose of the course is to provide an opportunity to interpret scientific concepts, questions and data. Students will receive practice reading scientific materials and will answer open-ended questions.
Prerequisite: Students must complete Earth Science/Physical Science and Biology. The course is designed for students who passed 10th grade Biology but failed the MCAS Biology Test. Department Chair approval.

Chemistry - Advanced ***Gr. 10, 11 - 5 Credits*** ***(2024)***

This course is intended to provide an extensive background in chemistry and is a rigorous and in-depth study of the fundamental concepts of chemistry. Topics covered may include atomic structure, naming compounds, stoichiometry, chemical reactions, states of matter, gas laws, chemical periodicity, chemical bonding, electron configuration, solution chemistry, reaction rates, oxidation-reduction reactions, acids and bases, nuclear chemistry and an introduction to organic chemistry. Advanced laboratory work, student projects and topics are assigned to provide increased depth and breadth and to investigate chemical concepts, techniques and safety precautions. Laboratory, demonstrations and/or hands-on activities will be conducted frequently to support course concepts. Each student will complete an individual science fair project and participate in the science fair.

Prerequisites: Biology, Algebra 2 (or taken concurrently); Department Chair approval

Conceptual Chemistry - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(2020)***

This course is a survey of current concepts and theories explaining the behavior of matter and energy. Chemistry affects the life of every student and it is important that students have an understanding of the field. Laboratory, demonstrations and/or hands-on activities will be conducted frequently throughout the course, as well as developing evidence based reasoning skills.

Prerequisites: Biology, Algebra 1

Chemistry - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(2022)***

This course is a study of the fundamental concepts of chemistry. Topics may include atomic structure, naming compounds, stoichiometry, chemical reactions, states of matter, gas laws, chemical periodicity, chemical bonding, electron configuration, solution chemistry and acids and bases. Laboratory, demonstrations and/or hands-on activities will be conducted frequently throughout the course. Opportunities are available for students to conduct an independent research project on a topic of their choice.

Prerequisites: Biology, Algebra 1

Chemistry - Honors ***Gr. 10, 11, 12 - 5 Credits*** ***(2023)***

This course is intended to provide an extensive background in chemistry. Topics may include atomic structure, naming compounds, stoichiometry, chemical reactions, states of matter, gas laws, chemical periodicity, chemical bonding, electron configuration, solution chemistry, acids and bases and nuclear chemistry. Laboratory, demonstrations and/or hands-on activities will be conducted frequently to support course concepts. Opportunities are available for students to conduct an independent research project on a topic of their choice. **Students are expected to conduct an independent research project on a topic of their choice (*NQHS only).*

This course is available for optional Dual Enrollment credit, please see page 18.

Prerequisites: Biology, Algebra 2 (or taken concurrently)

Applied Biotechnology – Advanced ***Gr. 11, 12 - 5 Credits*** ***(2253*) QHS ONLY***

In this laboratory driven course, students will explore and apply the fundamentals of chemistry, biology, and biotechnical engineering through experimentation. Topics may include basic lab skills, acids and bases, chromatography, microbiology, DNA structure, bacterial transformation, plasmid purification, Polymerase Chain Reaction, protein structures, immunology, biochemistry, and forensics. Students will gain essential laboratory skills used at university and industrial research labs, and will also learn how to connect these laboratory skills to answer multi-tiered research questions. Students will become attuned to current research via weekly updates and through meeting a panel of Harvard virology/immunology Ph.D students to discuss their research and the process of pursuing a career within the field.

Prerequisites: Honors or Advanced Biology, Honors or Advanced Chemistry; Department Chair approval

AP Physics 1 - Advanced ***Gr. 11, 12 - 5 Credits*** ***(2035*)***

Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. Completion of this course will prepare students for the required AP Physics 1 Test.

Prerequisites: Chemistry, Algebra 2 honors or advanced (or taken concurrently); Department Chair approval

AP Physics 2– Advanced ***Gr. 11, 12 - 5 Credits*** ***(2047*) QHS ONLY***
Students explore principles of fluids, thermodynamics, electricity, magnetism, optics, and topics in modern physics. The course is based on seven Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. Completion of this course will prepare students for the required AP Physics 2 Test.
Prerequisites: Honors Physics or AP Physics 1; Department Chair approval

Physics - CCP ***Gr. 11, 12 - 5 Credits*** ***(2032)***
This course is designed for those students who desire a broad science background for college but who plan to major in areas other than the sciences. The principles and applications of physics are presented in simple language for future citizens of a civilization increasingly dependent on science. Topics studied include the laws of motion, light, sound, magnetism, electricity and modern physics. Relevant laboratory experiments, films, and reading materials offer students a broad scope of activities to supplement the textbook. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. Opportunities are available for students to conduct an independent research project on a topic of their choice.
Prerequisites: Chemistry, Algebra 2 (or taken concurrently)

Physics - Honors ***Gr. 11, 12 - 5 Credits*** ***(2033)***
This course is designed for the student with a strong mathematical background who is considering a future career in pure science, mathematics, engineering or medicine. Topics include motion, electricity, magnetism, mechanics, optics, and the physics of the atom. The student's involvement in the course is strengthened with the use of many and varied resource materials, including textbooks, laboratory apparatus, supplementary reading materials and multimedia presentations of relevant and current material. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. Opportunities are available for students to conduct an independent research project on a topic of their choice.
This course is available for optional Dual Enrollment credit, please see page 18.
Prerequisites: Chemistry, Algebra 2 honors or advanced (or taken concurrently)

AP Biology - Advanced ***Gr. 11, 12 - 5 Credits*** ***(2046*)***
This course is designed for students who are planning to major in one of the sciences in college, although not necessarily biology. AP Biology is designed to be a first-year college level survey of biology encompassing a detailed study of living things from biochemical compounds to complex vertebrates. Topics include organic chemistry, cell structure, cell function, photosynthesis, cellular respiration, DNA sciences, genetics, heredity, ecosystems and animal phyla from the simplest form to human. This course includes all topics covered in the "Four Big Ideas" covered in the Advanced Placement Curriculum as well as the required College Board laboratories. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisites: Chemistry, Algebra 2; Department Chair approval

AP Chemistry - Advanced ***Gr. 10, 11, 12 - 5 Credits*** ***(2045*)***
This course is designed to be the equivalent of a general chemistry class taken during the first year of college. Students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. This rigorous course will contribute to the development of the student's ability to think and express their ideas, orally and in writing scientifically with clarity and logic. Particular emphasis will be placed on chemical calculations, the mathematical formulation of principles and theory, and laboratory procedures. This course includes all topics covered in the "Six Big Ideas" covered in the Advanced Placement Curriculum. These topics include atomic theory and structure, chemical bonding, nuclear chemistry, stoichiometry, chemical reactions, equilibrium, solution chemistry, acid equilibrium, oxidation/reduction reactions, kinetics, and thermodynamics. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisites: Chemistry, Algebra 2; or Department Chair approval

AP Environmental Science - Advanced Gr. 11, 12 - 5 Credits (2048)
This course is designed to be the equivalent of an introductory college course and will cover advanced topics and investigations suggested for preparation for the Advanced Placement exam in Environmental Science. This course will provide students with the scientific principles, methodologies, and concepts required to understand the interrelationships of the natural world, to analyze environmental problems, and to examine alternative solutions for resolving and/or preventing them. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisites: Chemistry, Algebra 2; Department Chair approval

Human Anatomy - CCP Gr. 11, 12 - 5 Credits (2832)
This course is designed to study human anatomy from the molecular level to the organ system level. Students will learn about each body system through instruction and hands-on labs. This course is recommended for students in the Health Care Technology Program and students complete the year observing anatomical relationships in a living organism by conducting a series of dissections. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle.
Prerequisites: Biology, Chemistry

Lab Assistant in Teaching Science - Honors Gr. 11, 12 - 5 Credits (2191*) NQHS ONLY
Laboratory assistants in teaching science (LATS) will have an opportunity to work cooperatively with a faculty advisor in preparing hands-on, inquiry-driven, standards-based laboratory activities. In doing so, LATS will explore personal interests in specific science content areas for as many periods as the advisor's and student's schedules allow. A review of laboratory safety skills will be completed at the beginning of the program. Once the working relationship between advisor and student has been established, students will then teach, as instructors, certain laboratories to underclassmen. Adult supervision will be present during these teaching experiences. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle.
Prerequisite: Excellent laboratory skills, available space within schedule, and Department Chair approval

Sustaining the Future - CCP Gr. 11, 12 - 5 Credits (2730) QHS ONLY
This is a course in applied science with a hands-on, project-based approach. Students will investigate energy, the environment and green design. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. Best suited for students who are hands on learners.
Prerequisite: Chemistry

Horticulture - CCP Gr. 11, 12 - 5 Credits (2082) QHS ONLY
Horticulture - CCP Gr. 11, 12 - 5 Credits (9324*) QHS ONLY
This elective course is designed to allow students to use inquiry based learning to investigate various plants and their uses. Additionally, students will develop the skills needed to grow, care for, and maintain plants using both hydroponic gardening and small space gardening systems. Course topics will include plant anatomy, vegetable gardening, composting/vermiculture, soil testing and soil enrichment, water use and conservation, harvesting, and marketing.
Prerequisites: Successful completion of Biology and one other science course.
****Department Chair approval.***

Horticulture – Honors Gr. 11, 12 - 5 Credits (2083) QHS ONLY
This elective course is designed to allow students to use inquiry-based learning to investigate various plants and their uses. Additionally, students will develop the skills needed to grow, care for, and maintain plants using both hydroponic gardening and small space gardening systems. Course topics will include plant anatomy, vegetable gardening, composting/vermiculture, soil testing and soil enrichment, water use and conservation, harvesting, and marketing. Each honors level student will be responsible for conducting a long-term class project that they will present at the spring Health and Wellness Fair. Students will research how to improve a class practice, develop a procedure to improve this process, carry out this procedure and collect/present data throughout the year.
Prerequisites: Biology and two other science courses.

Meteorology - Honors ***Gr. 11, 12 - 5 Credits*** ***(2051) QHS ONLY***
This course is an introductory meteorology course designed to assist the student in understanding and appreciate the dynamic forces that interact to cause our daily weather. Topics include the causes of weather, weather systems, data and analysis; atmospheric basics, including the state of the atmosphere; the nature and function of storms including thunderstorms, tornadoes, lightning, hurricanes, tropical storms, floods, droughts, heat waves and various climatic factors that have both short and long-term impacts on our planet. The Quincy High School weather station will be utilized as a learning and research tool. Students will collect and analyze daily weather data to analyze the effects on local weather. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle.
Prerequisite: Students must have taken and passed at least one year of an honors level or higher science course.

Anatomy and Physiology - Honors ***Gr. 12 - 5 Credits*** ***(2845)***
This course is an intensive study of human anatomy and physiology. Emphasis is placed on learning anatomical structures and their functions, and relationships between organs and organ systems. Each body system is studied through lecture and hands-on lab work. This course is recommended for students in the Health Care Technology Program and those students who wish to pursue a career in science. Students complete the year identifying structures in living organisms through a series of mandatory dissections. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle. Students are expected to conduct an independent research project.
This course is available for optional Dual Enrollment credit, please see page 18.
Prerequisites: Biology, Chemistry; recommendation of grade 11 science teacher

Earth Science - CCP ***Gr. 12 - 5 Credits*** ***(2132) NQHS ONLY***
This course is designed to help students learn more about the planet they inhabit and develop a clear understanding of the materials and processes that shape the earth and its surroundings. The effects of water, wind, and ice on the earth as well as weather and climate, water resources, and mapping will be studied. Delve into exciting phenomena such as volcanoes, fossils, glaciers, earthquakes, white dwarfs, black holes, and quasars through lecture, class discussion and films. Learn an appreciation of rocks, minerals, and their processes of formation from laboratory and geologic maps. Learn how to live in harmony with the laws of nature, especially as they relate to the use of the earth's finite resources. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle.
Prerequisites: Two completed science courses.

Zoology - CCP ***Gr. 12 - 5 Credits*** ***(2142) NQHS ONLY***
This course is designed to give the student an overview of animal biology. Emphasis will be placed on the evolution of animals and their adaptations, animal diversity and taxonomy, and comparative anatomy and physiology. Information presented will build upon previously learned concepts. Students will conduct and/or view specimen dissections to allow for a comparative investigation of animal adaptations and major organ systems. Honors students are expected to complete an individual science fair project. Laboratory, demonstrations and/or hands-on activities will be conducted once in every schedule cycle.
Prerequisites: Biology and one other science course.

Forensic Science - Honors ***Gr. 11, 12 - 5 Credits*** ***(2163) NQHS ONLY***
This elective explores the application of various fields of science used by police agencies and the criminal justice system in making investigations and adhering to criminal law. The science behind criminal investigation, including how to analyze physical evidence, fingerprinting, glass, soil, hair, fibers, firearms and ballistics, drug chemistry, DNA testing, bodies and autopsies, and other chemical and biological analytics, will be explored in this yearlong course. Honors students are expected to complete an individual science fair project. Laboratory experiments, demonstrations, and/or hands-on activities will be conducted once in every schedule cycle.
Prerequisites: Biology, Chemistry

Genetics - Honors ***Gr. 11, 12 - 5 Credits*** ***(2173) NQHS ONLY***

This elective investigates the historical, molecular, cellular, and societal applications of genetics. Students will be given a more in-depth exploration of genetics as an extension of biology with emphasis on DNA, gene expression, chromosomes, Mendelian genetics, inheritance patterns, genetic analysis, mutations, and current uses of genetics in society and biotechnology. Students will be expected to complete an individual science fair project. Laboratory investigations and/or hands-on activities will be conducted regularly.

Prerequisite: Biology, Chemistry

Independent Science Study - Honors ***Gr. 12 - 5 Credits*** ***(2190*)***

Independent study is a course allowing students to work on a project under the guidance of a faculty advisor. Such projects generally require 8-10 hours of work per week and are expected to contain significant analysis and interpretation of an approved topic that will result in a final product or report. A student who wishes to pursue an independent study must write a research proposal and contact a faculty member who teaches in the research area of interest to supervise the project. Once the faculty supervisor has approved the proposal, it must be submitted to the Science Department Chair for approval. Students must be granted approval before the course selection process begins.

Prerequisite: Department Chair approval

Photography by Elena Z., Grade 10, Quincy High School

SOCIAL STUDIES

The core values, beliefs about learning and 21st century student expectations of the Quincy High School and the North Quincy High School Social Studies Departments are in accord with those of our schools as well as with the guiding philosophies, principles and strands of the Massachusetts Curriculum Framework for History and Social Studies and the College Board AP courses offered. In every course, teachers evaluate each individual student's strengths and needs and provide numerous opportunities to achieve the school-wide academic and social expectations in addition to the content objectives of the course. Honors level courses follow the same curriculum as College and Career Prep (CCP), but the depth and rigor of the courses is elevated with higher expectations for student output.

QHS ONLY: To fulfill the four-year Social Studies requirement, Grade twelve students are required to take one semester of Post WW II World History **and** another one semester Social Studies elective. Enrollment in an Advanced Placement Social Studies elective also fulfills the four-year Social Studies requirement.

Course Name	Grades	Level	Credits	Course #
EL Global Studies	9, 10, 11, 12	CCP	5	3278**
EL Civics	9, 10, 11, 12	CCP	5	3280**
EL American Growth	9, 10, 11, 12	CCP	5	3283**
EL Modern World	9, 10, 11, 12	CCP	5	3279**
EL U.S. History	9, 10, 11, 12	CCP	5	3281**
EL Contemporary Issues	11, 12	CCP	5	**3282****
World History	9	CCP	5	3102
World History	9	CCP	5	**9331***
World History	9	H	5	3103
World History	9	A	5	3104
Modern World	10	CCP	2.5	3012
Modern World	10	CCP	2.5	**9332***
Modern World	10	H	2.5	3013
Modern World	10	A	2.5	3014
U.S. History 1	10	CCP	2.5	3016
U.S. History 1	10	CCP	2.5	**9383***
U.S. History 1	10	H	2.5	3017
U.S. History 1	10	A	2.5	3018
U.S. History 2	11	CCP	5	3022
U.S. History 2	11	CCP	5	**9333***
U.S. History 2	11	H	5	3023
Looking for America: History	11	H	5	**3064**
AP U.S. History	11	A	5	3024*
Asian World	11, 12	CCP	2.5	**3095**
Asian World	11, 12	H	2.5	**3096**
Human Behavior	11, 12	CCP	2.5	**3745**
Human Behavior	11, 12	H	2.5	**3746**
Introduction to Criminal Law	11, 12	CCP	2.5	**3142**
Introduction to Criminal Law	11, 12	H	2.5	**3143**
Economics	11, 12	H	5	**3062**
AP Economics	11, 12	A	5	**3063**
Contemporary Issues	12	CCP	2.5	**3031**
Contemporary Issues	12	CCP	2.5	**9386***

Course Name	Grades	Level	Credits	Course #
Contemporary Issues	12	H	2.5	**3032**
Post WWII - World History	12	CCP	2.5	**3092**
Post WWII - World History	12	CCP	2.5	**9385***
Post WWII - World History	12	H	2.5	**3093**
Contemporary World Issues	12	CCP	5	**3312**
U.S. Government and Politics	12	CCP	5	3082
U.S. Government and Politics	12	H	5	3083
AP Government and Politics: United States	12	A	5	3065*
Psychology	12	CCP	5	**3052**
Psychology	12	H	5	3053
AP Psychology	12	A	5	3054*
Asian Studies	12	H	5	**3113**
Modern European History	12	H	5	3034
History of Western Philosophy	12	H	5	**3010**
AP European History	12	A	5	3035*

** Department Chair approval required*
*** For students specifically approved for the English Language Learner program only*

EL Civics - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(3280**)***
This course is offered only to students for whom English is not their primary language. Placement is based upon fluency, primarily for beginner EL students. The course stresses the standard concepts of civic education. Students will understand how local, state, and federal government functions to prepare them for responsible and responsive citizenship. Key political science vocabulary as well as reading and writing skills are emphasized.

EL Global Studies - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(3278**)***
This course is offered only to students for whom English is not their primary language. Placement is based upon fluency. This course starts with the fall of the Roman Empire and traces the development of western civilization through the nineteenth century. Equal attention will be given to the history of other world cultures. Students will be introduced to skills related to acquiring, organizing, and using information in the social sciences.

EL American Growth– CCP ***Gr. 11, 12 - 5 Credits*** ***(3283**)***
This course is offered only to students for whom English is not their primary language. Placement is based upon fluency. Teaching/learning activities will focus on the history of the United States in the twentieth century. Special attention will be directed toward the themes of urbanization, industrialization, mixed-market economy, presidential power and expanding population that challenge traditional American values and institutions. Students will analyze political, economic, and social issues to determine the extent that individuals and government should be involved in the quest for economic, social and political justice in America and the world.

EL Modern World - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(3279**)***
This course is offered only to students for whom English is not their primary language. Placement is based upon fluency. This course begins with the impact European nationalism and imperialism on twentieth century world history. Topics for study will include World War I, the Great Depression, World War II, the Cold War and its aftermath. The course concludes with a study of democratic advances in the changing world economy, and international conditions at the close of the twentieth century.

EL U.S. History - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(3281**)***
This course is offered only to students for whom English is not their primary language. Placement is based upon fluency. Emphasis in this course is placed on speaking, reading, writing, and vocabulary skills while the student studies basic concepts in United States History. This survey course places special emphasis on the people who have made America, both individuals and ethnic groups. Local history is taught through the use of community resources.
Prerequisite: EL Civics must be taken prior to this course.

EL Contemporary Issues - CCP ***Gr. 11, 12 - 5 Credits*** ***(3282**) QHS ONLY***
This course is offered only to English Learners. Placement is based upon fluency. In this full year course for 5 credits emphasis is placed on speaking, reading, writing and vocabulary skills while the student studies concepts and topics currently under discussion in American Society. Research methods and concepts of all the social sciences are used in the investigation of issues presented by the media. Course structure changes from year to year as current events change.

World History - CCP ***Gr. 9 - 5 Credits*** ***(3102)***
World History - CCP ***Gr. 9 - 5 Credits*** ***(9331*) QHS ONLY***
Beginning with the Roman Empire, this challenging course traces the development of world civilization to the 16th century. Selective emphasis will be placed on the history and culture of the Middle East, China, Japan, Russia, selected societies in Africa and pre-Columbian America. Concepts of religion, culture, economics, politics, philosophy, geography and technology will be investigated. Students will analyze primary sources, examine informational text and practice historical thinking and writing skills to explore the broad themes and big ideas of human history.
Prerequisite: Department Chair approval (9331)

World History - Honors ***Gr. 9 - 5 Credits*** ***(3103)***
Beginning with the Roman Empire, this very challenging course traces the development of world civilization to the 16th century. Selective emphasis will be placed on the history and culture of the Middle East, China, Japan, Russia, and selected societies in Africa and pre-Columbian America during this time period. Concepts of religion, culture, economics, politics, philosophy, geography and technology will be investigated. Students will be challenged to consider topics in depth and work independently as they analyze primary sources, examine informational text and practice historical thinking and writing skills to explore the broad themes and big ideas of human history.

World History - Advanced ***Gr. 9 - 5 Credits*** ***(3104)***
This course is designed for highly motivated students and provides a broad introduction to World History. After reviewing the major contributions of Greco-Roman civilization, the course will explore the major political and cultural trends and movements in world history from the fall of the Roman Empire through the Age of Exploration. There is an emphasis on developing critical thinking and communication skills. Students will be required to analyze historical sources in order to develop an understanding of the dynamics of historiography. In order to prepare students for future AP history courses, substantial independent reading and writing assignments will be required throughout this course.

The Modern World - CCP ***Gr. 10 - 2.5 Credits*** ***(3012)***
The Modern World - CCP ***Gr. 10 - 2.5 Credits*** ***(9332*) QHS ONLY***
In this challenging semester course, students study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. Additionally, students study the origins and consequences of the Industrial Revolution, 19th century political reform in Western Europe, and imperialism in Africa, Asia, and South America. Students will explain the causes and consequences of the great military and economic events of the past century, including World War I and the interwar period.
Prerequisite: Department Chair approval (9332)

The Modern World - Honors ***Gr. 10 - 2.5 Credits*** ***(3013)***
The Modern World Honors deepens and advances the curriculum of the Modern World. In this is very challenging semester course students study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. Additionally, students study the origins and consequences of the Industrial Revolution, 19th century political reform in Western Europe, and imperialism in Africa, Asia, and South America. Students will explain the causes and consequences of the great military and economic events of the past century, including World War I and the interwar period. The accelerated pace of this class requires that students complete additional reading and writing assignments independently.

The Modern World - Advanced ***Gr. 10 - 2.5 Credits*** ***(3014)***
This semester course introduces the skills needed to succeed in AP history courses while covering the content and concepts of the Modern World. Course curriculum, materials, and expectations are designed to prepare students for the college level coursework in their junior year. There will be an additional emphasis on critical thinking, problem solving, essay writing, and reading both primary and secondary sources. This course requires extensive reading and writing.

U.S. History 1 - CCP ***Gr. 10 - 2.5 Credits*** ***(3016)***
U.S. History 1 - CCP ***Gr. 10 - 2.5 Credits*** ***(9383*) QHS ONLY***
In U.S. History I, students examine the historical and intellectual origins of the United States developed from Western Europe, tracing the development of the nation from the Revolutionary era to the mid-18th century. Students study the framework of American democracy, analyze key documents including the Declaration of Independence and the Constitution, and examine the basic concepts of American government. Selective emphasis is then placed on topics such as Jacksonian Democracy, America's westward expansion, the establishment of political parties, economic and social change, sectional conflicts, the Civil War, and Reconstruction.
Prerequisite: Department Chair approval (9383)

U.S. History 1 - Honors ***Gr. 10 - 2.5 Credits*** ***(3017)***
U.S. History 1 Honors deepens and advances the curriculum of U.S. History 1. In U.S. History 1, students examine the historical and intellectual origins of the United States developed from Western Europe, tracing the development of the nation from the Revolutionary era to the mid-18th century. Students study the framework of American democracy, analyze key documents including the Declaration of Independence and the Constitution, and examine the basic concepts of American government. Selective emphasis is then placed on topics such as Jacksonian Democracy, America's westward expansion, the establishment of political parties, economic and social change, sectional conflicts, the Civil War, and Reconstruction. The accelerated pace of this class requires that students complete additional reading and writing assignments independently.

U.S. History 1 - Advanced ***Gr. 10 - 2.5 Credits*** ***(3018)***
This course is designed for highly motivated students and examines the evolution of the United States from its colonial origins through development and effects of sectionalism. The structure and requirements of the course will provide students with the analytical skills and factual knowledge to enable them to think critically about our shared history. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of original documents. Topics include the colonial American experience, the causes and nature of the American Revolution, the problems associated with the founding of the nation and the achievements of our Constitution. We also examine the basic principles of American government, as we look at the development of the American political party system, and economy and the clashing voices of growing nationalism and sectionalism. Substantial independent reading and writing assignments will be required throughout this course.

U.S. History 2 - CCP ***Gr. 11 - 5 Credits*** ***(3022)***
U.S. History 2 - CCP ***Gr. 11 - 5 Credits*** ***(9333*) QHS ONLY***
This challenging course will focus on major developments in American history from the Civil War era to the present. Students will examine the politics, economics and demographics of the U.S. during the 19th century as well as the transformation of political, social and economic structures in the U.S. and the emergence of democracy as a political ideal in the 20th century. Selective emphasis will be placed on topics such as the Civil War and its aftermath, the Progressive Era, the Great Depression, World War II and its aftermath, civil rights and equal rights movements, the cultural crises in the 1960's and 1970's, and the ongoing political and social issues of our time.
Prerequisite: Department Chair approval (9333)

U.S. History 2 - Honors ***Gr. 11 - 5 Credits*** ***(3023)***
U.S. History 2 Honors deepens and advances the curriculum of U.S. History 2.This very challenging course will focus on major developments in American history from the Civil War era to the present. Students will examine the politics, economics and demographics of the U.S. during the 19th century as well as the transformation of political, social and economic structures in the U.S. and the emergence of democracy as a political ideal in the 20th century. Selective emphasis will be placed on topics such as the Civil war and its aftermath, the Progressive Era, the Great Depression, World War II and its aftermath, civil rights and equal rights movements, the cultural crises in the 1960's and 1970's, and the ongoing political and social issues of our time. The accelerated pace of this class requires that students complete additional reading and writing assignments independently.

Looking for America: History ***Gr. 11 - 5 Credits*** ***(3064) NQHS ONLY***

Looking for America: History is a team taught 11th grade humanities course, which uses a chronological, interdisciplinary approach to the study of America's development from the 19th century through the present, and is taken in conjunction with Looking for America: Literature. Emphasis is placed upon student understanding of the interrelationships among literature, history, art, and music. Using seminars, group presentations, creative projects, simulations, discussions and debates, students will gain a greater understanding of American history and culture. The literary selections for the course are aligned with time periods covered and will be discussed through an historical and social lens. Students in this course will be required to complete writing assignments that demonstrate their ability to make interdisciplinary connections between historic material and key works of literature. Field-based learning and research will also be an important component of this class.

Co-requisite: Taken in conjunction with Looking for America: Literature

AP U.S. History - Advanced ***Gr. 11 - 5 Credits*** ***(3024*)***

The expectations of Advanced Placement U.S. History are those of a first-year college history course. The course covers Pre-Columbian America through the present day as described in the AP US History Curriculum. Students should possess a strong background in reading and writing skills and be willing to devote considerable time to homework and studying to succeed in this course. The course emphasizes essay writing, interpretation of documents, and evaluative thinking skills. To receive advanced credit, students are required to take the AP exam at the end of the course.

Prerequisite: Students enrolled in this course must have completed assigned summer reading. They will be tested on the book during the first week of school. An assignment on the book is also required at that time. Department Chair approval required.

Asian World - CCP ***Gr. 11, 12 - 2.5 Credits*** ***(3095) QHS ONLY***
Asian World - Honors ***Gr. 11, 12 - 2.5 Credits*** ***(3096) QHS ONLY***

This semester elective is an examination of the world's largest continent. Using a variety of materials the students will study Asia's past, present and future. Focusing on China and Japan, the course will include art and literature as well as the social sciences. Honors students complete assignments that demand additional reading, writing, and analysis of course material.

Human Behavior - CCP ***Gr. 11, 12 - 2.5 Credits*** ***(3745) QHS ONLY***
Human Behavior - Honors ***Gr. 11, 12 - 2.5 Credits*** ***(3746) QHS ONLY***

Human Behavior is a one-semester course designed to introduce students to the scientific study of the behavior and mental processes of humans. Topics normally covered include the following: careers in psychology, states of consciousness, child development, and the diagnosis and treatment of psychological disorders. Whenever possible, emphasis is given to how the topics can be related to students' lives. Honors students complete assignments that demand additional reading, writing, and analysis of course material.

Introduction to Criminal Law - CCP ***Gr. 11, 12 - 2.5 Credits*** ***(3142) QHS ONLY***
Introduction to Criminal Law - Honors ***Gr. 11, 12 - 2.5 Credits*** ***(3143) QHS ONLY***

This course will examine the criminal justice system in America. Beginning with a study of the classifications of criminal behavior, students will trace the process of justice through the court system and end with an examination of our forms of punishment and retribution. In this course, practical knowledge will be combined with legal theory. Honors students complete assignments that demand additional reading, writing, and analysis of course material.

Economics Honors ***Gr. 11, 12 - 5 Credits*** ***(3062) QHS ONLY***

This course is designed to acquaint students with basic economic theory and principles applied to practical situations. During a one-year program, students will investigate issues that they will immediately face upon leaving high school. Where will I spend my money? What do social programs cost? How can we deal with increasing prices and unemployment? Using a variety of materials and modeling, this course aims to give very student an accurate picture of the world of economics.

This course is available for optional Dual Enrollment credit, please see page 18.

AP Economics - Advanced ***Gr. 11, 12 - 5 Credits*** ***(3063*) QHS ONLY***

The expectations of Advanced Placement Economics are those of a first year college course and follow the course requirements as published in the Advanced Placement Economics College Board description. The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination and develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. The following are some concepts that will be explored: scarcity and opportunity costs, comparative advantage, model of the circular flow of income, gross domestic product, inflation, consumer price index and monetary policy. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisite: Department Chair approval

Artwork by Feng l.., Grade 11, Quincy High School

Contemporary Issues - CCP ***Gr. 12 - 2.5 Credits*** ***(3031) QHS ONLY***
Contemporary Issues - CCP ***Gr. 12 - 2.5 Credits*** ***(9386*) QHS ONLY***
Contemporary Issues - Honors ***Gr. 12 - 2.5 Credits*** ***(3032) QHS ONLY***
In this semester course for 2.5 credits, students have the opportunity to analyze topics currently under discussion in American Society. Research methods and concepts of all the social sciences are used in the investigation of issues presented by the media. Course structure changes from year to year as current events change. News media as well as library materials are used as teaching/learning tools. Honors students complete assignments that demand additional reading, writing, and analysis of course material.
Prerequisite: Department Chair approval (9386)

The Post World War II World - CCP ***Gr. 12 - 2.5 Credits*** ***(3092) QHS ONLY***
The Post World War II World - CCP ***Gr. 12 - 2.5 Credits*** ***(9385*) QHS ONLY***
The Post World War II World - Honors ***Gr. 12 - 2.5 Credits*** ***(3093) QHS ONLY***
This semester course examines the political, economic and social developments that have occurred throughout the world since WWII. Topics include The Cold War, the rise of the superpower, the fall of communism, the impact of nuclear weapons, the origins of new threats to national security, the impact of religion, and patterns of economic development. These topics are studied from a global perspective, and comparisons are made between different regions. The topics are highly relevant to current affairs and lead to an understanding of the contemporary world. Honors students complete assignments that demand additional reading, writing, and analysis of course material.
Prerequisite: Department Chair approval (9385)

Contemporary World Issues - CCP ***Gr. 12 - 5 Credits*** ***(3312) NQHS ONLY***
This course will focus on topics in 20th century global history, including: world wars, nationalism and self-determination, decolonization and its effects, the Cold War, mass media, global economy and popular culture as well as changes in politics, ideology, economics, society, culture, science, technology, and medicine. The course will also include a survey of our current century, a study of current events, American society and culture, and America's position in world affairs. Previously known as ***The World in the 20th and 21st Centuries.***

U.S. Government and Politics - CCP ***Gr. 12 - 5 Credits*** ***(3082)***
U.S. Government and Politics - Honors ***Gr. 12 - 5 Credits*** ***(3083)***
The course in political science will focus attention on three major aspects of the American political system: the power of the executive, the legislative process, and the role of the court system. An historical approach will be employed to analyze the nature of executive, legislative, and judicial relationships, to examine the roles of the executive, and to identify the factors responsible for the growth of presidential power. Opportunities will be provided to examine comparative political systems, to study the impact of federal powers on state and local levels, and to employ political science techniques and methods in the analysis of current issues and reform proposals. Honors students complete assignments that demand additional reading, writing, and analysis of course material.

AP Government & Politics: United States - Advanced ***Gr. 12 - 5 Credits*** ***(3065*)***
This course is designed to provide an in-depth look at the American Political System. Students are encouraged to participate in discussion and debate as we examine political culture, the role of the media, the policy-making process, and many other interesting and relevant topics. There is a focus on current events and an emphasis on project-based work. This course provides excellent skill preparation for college. The 11th grade teacher recommends students to take this course. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisite: Department Chair approval

Psychology - CCP ***Gr. 12 - 5 Credits*** ***(3052) QHS ONLY***
Psychology - Honors ***Gr. 12 - 5 Credits*** ***(3053)***
Psychology is a full-year course designed to introduce students to the scientific study of the behavior and mental processes of humans. Topics normally covered include the following: careers in psychology, states of consciousness, learning, child development, personality, and the diagnosis and treatment of psychological disorders. Whenever possible, emphasis is given to how the topics covered can be related to students' lives. Honors students complete assignments that demand additional reading, writing, and analysis of course material.
This course is available for optional Dual Enrollment credit, please see page 18.

AP Psychology - Advanced Gr. 12 - 5 Credits (3054*)
The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisite: Department Chair approval

Asian Studies - Honors Gr. 12 - 5 Credits (3113) NQHS ONLY
Asian Studies surveys the history and culture of Asia, particularly China, Japan, and India. Students will explore the philosophical and religious foundations of Eastern thought, read and respond to representative literary texts, investigate issues related to ethnicity and diversity, analyze aspects of international relations, and study contemporary issues in Asian societies. Honors students complete assignments that demand additional reading, writing, and analysis of course material.

Modern European History - Honors Gr. 12 - 5 Credits (3034)
This yearlong course for seniors deals with the development of European civilization from the Renaissance to the present day. By examining intellectual, cultural and political history, the student will be able to analyze the interactions of historical forces within society and to understand the relationship of the past to the present. Topics to be covered include art, science, philosophy, revolution, the rise of nation states, and the growth of nationalism, liberalism, socialism, and communism.

History of Western Philosophy - Honors Gr. 12 - 5 Credits (3010) NQHS ONLY
The primary focus of the class will be the standard cannon of Western Philosophy beginning in Ancient Greece, the birthplace of western thought. Topics included are the Natural Philosophers, the Sophists, Socrates, Plato, Aristotle and the Hellenistic Philosophers. Students will also examine more modern philosophical movements leading up to and through the 20th Century. The course will also attempt to define modern ideological movements like nationalism, capitalism, liberalism, socialism, communism, anarchism, fascism and terrorism. These ideologies will be put into historical context and examined in the light of existentialism and other postmodern cultural, social, and political phenomena. This course is designed to foster creative and critical thinking skills and to promote historical understanding of a variety of philosophical topics.

AP European History - Advanced Gr. 12 - 5 Credits (3035*)
The expectations of Advanced Placement European History are those of a first-year college history course. Students examine the formation of modern Western values and culture. Political, economic, social, and intellectual movements are analyzed. The course follows the AP curriculum form the Renaissance through the end of the Cold War. Students should possess a strong background in reading and writing skills and be willing to devote considerable time to homework and studying to succeed in this course. The course emphasizes essay writing, interpretation of documents, and evaluative thinking skills. The 11th grade teacher recommends students to take this course. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisite: Department Chair approval

Photography by Sean F., Grade 11, North Quincy High School

CAREER VOCATIONAL TECHNICAL EDUCATION (CVTE)

Quincy Public Schools offers 22 Career Vocational Technical Education programs. These programs focus on improving teaching and learning by designing, developing and implementing programs that extend the classroom to the community while focusing on project-based learning, critical thinking and problem solving. The purpose of these activities is to make connections between school activities and the skills and competencies required in the career marketplace of the 21st Century. Students will explore college and career opportunities through career assessments, research, planning, skill building and direct experience in career projects. These programs provide our students with the skills, confidence, educational credentials and motivation to assist them to succeed in any educational or career pathway. The Curriculum aligns to the Massachusetts Department of Elementary and Secondary Education Career Vocational and Technical Education Frameworks along with the State Frameworks in English Language Arts (specifically Speaking and Listening Standards), Math, Social Studies, Science, Engineering, and Technology. When programs are oversubscribed, students will be admitted based upon the process stated in Quincy's CVTE admissions policy (See Student Handbook).

Cooperative education employment may be available to seniors in Career Vocational Technical Education programs.

CVTE Majors at BOTH High Schools

Course Name	Grades	Level	Credits	Course #
Intro to Health and Human Services	10	CCP	5	7261
Intro to Health and Human Services	10	H	5	7262
Film & Television Production 1	10, 11	CCP	5	7140
Film & Television Production 1	10, 11	H	5	7141
Film & Television Production 2	11, 12	CCP	10	7143
Film & Television Production 2	11, 12	H	10	7144
Film & Television Production 2	11, 12	H	5	**7145**
Film & Television Production 3	11, 12	CCP	10	7146
Film & Television Production 3	11, 12	H	10	7147
Film & Television Production 3	12	H	5	**7547**
Design & Visual Communications 1	10, 11	CCP	5	7190
Design & Visual Communications 1	10, 11	H	5	7191
Design & Visual Communications 2	11, 12	CCP	10	7193
Design & Visual Communications 2	11, 12	H	10	7194
Design & Visual Communications 2	11, 12	CCP	5	**7192**
Design & Visual Communications 2	11, 12	H	5	**7195**
Design & Visual Communications 3	12	CCP	10	7196
Design & Visual Communications 3	12	H	10	7197
Design & Visual Communications 3	12	H	5	**7597**
Early Education and Care 1	11	CCP	10	7281
Early Education and Care 1	11	H	10	7282
Early Education and Care 2	12	CCP	10	7284
Early Education and Care 2	12	H	10	7285
Health Care Technology 1	11, 12	CCP	10	7264
Health Care Technology 1	11, 12	H	10	7265
Health Care Technology 2	12	CCP	10	7273
Health Care Technology 2	12	H	10	7274

Intro to Health and Human Services - CCP ***Gr. 10 - 5 Credits*** ***(7261*) QHS ONLY***
Intro to Health and Human Services - Honors ***Gr. 10 - 5 Credits*** ***(7262*)***
This one period course is an elective and is designed to introduce students to the health and human service systems with a focus on the personal and community level. The course is designed as an interactive, hands-on experience to empower students in decision making with regard to their own health and lifestyle, as well as a vehicle to provide an opportunity to explore resources in the community and career paths in areas of individual interest in the Health and Human services area. Students may have the opportunity to earn American Heart Association CPR, AED, and First Aid Certification.
Course is highly recommended for Early Childhood Education and Care I, and Health Care Technology I.

Film & Television Production 1 - CCP ***Gr. 9, 10 - 5 Credits*** ***(7140)***
Film & Television Production 1 - Honors ***Gr. 9, 10 - 5 Credits*** ***(7141)***
This is the first course in a sequence of three that provides students with an introduction to the communications field. Through hands-on experiences, students will learn the basics of film and television production. A combination of studio and location productions will demonstrate the basics of filmmaking and visual storytelling including script writing, camera operation, sound recording, and video editing. Assignments may include the production of a short movie, a studio interview show, or a news show. Students will gain a basic understanding of the industry.

Film & Television Production 2 - CCP ***Gr. 11, 12 - 10 Credits*** ***(7143)***
Film & Television Production 2 - Honors ***Gr. 11, 12 - 10 Credits*** ***(7144)***
Film & Television Production 2 - Honors ***Gr. 11, 12 - 5 Credits*** ***(7145) NQHS Only***
This is the second course in a sequence of three that provides students with an introduction to the communications field. Students will learn more sophisticated production techniques and complete a series of programs, including the QHS Weekly Update, Quincy High Sports, Our Quincy High, and CTE News. Students will also participate in a show production at the local cable TV station.
Prerequisite: Minimum passing grade of 70 in Film and Television Production 1 or Department Chair approval

Film & Television Production 3 - CCP ***Gr.11, 12 - 10 Credits*** ***(7146)***
Film & Television Production 3 - Honors ***Gr.11, 12 - 10 Credits*** ***(7147)***
Film & Television Production 3 - Honors ***Gr. 12 - 5 Credits*** ***(7547) NQHS ONLY***
This is the third course in a sequence of three that provides students with an introduction to the communications field. Projects will include producing school related news and announcements, movie reviews, or work on advanced filmmaking projects. Advanced skills will be further developed through supervised internship at the local cable TV station. Resumes and portfolios will be completed.
Prerequisite: Minimum passing grade of 80 in Film & Television Production 2 or Department Chair approval

Design & Visual Communications 1– CCP ***Gr. 10, 11 - 5 Credits*** ***(7190)***
Design & Visual Communications 1– Honors ***Gr. 10, 11 - 5 Credits*** ***(7191)***
This is the first course in a sequence of three that provides students with entry-level skills essential in the graphic and visual design field. Safety, math and measuring, basic layout, design principles, color theory, typography, page layout and basic Adobe software required for the design & visual communications industries are introduced. Organizational skills and production practices are studied. Students gain an understanding of all aspects of the industry.
This course is available for optional Dual Enrollment credit, please see page 18.

Design & Visual Communications 2– CCP ***Gr. 11, 12 - 10 Credits*** ***(7193)***
Design & Visual Communications 2– Honors ***Gr. 11, 12 - 10 Credits*** ***(7194)***
Design & Visual Communications 2– CCP ***Gr. 11, 12 - 5 Credits*** ***(7192) NQHS ONLY***
Design & Visual Communications 2– Honors ***Gr. 11, 12 - 5 Credits*** ***(7195) NQHS ONLY***
This is the second course in a sequence of three that provides students with a closer look at graphic software applications and visual design. Studies will include scanning, design concepts, critiquing, customer relations, digital printing, photography, and image editing using contemporary software. Students will explore packaging and marketing. Students will also study intellectual property law and how it applies to visual design. Students will be introduced to HTML coding. Web design will be taught using Adobe software. Students have an opportunity to become an Adobe Certified Associate through online testing.
This course is available for optional Dual Enrollment credit, please see page 18.
Prerequisite: Design and Visual Communications 1

Design & Visual Communications 3 - CCP ***Gr. 12 - 10 Credits*** ***(7196)***
Design & Visual Communications 3 - Honors ***Gr. 12 - 10 Credits*** ***(7197)***
Design & Visual Communications 3 - Honors ***Gr. 12 - 5 Credits*** ***(7597) NQHS ONLY***
This is the third course in a sequence of three that provides student with entry-level skills essential in the design & visual communications industries. Advanced applications will be used while students showcase their talents with real-world jobs. Students will create projects that will be used by the school and the community. Video 2-D animation will also be introduced. A web-based portfolio integrating multiple sources of information, media and software will be created, presented and critiqued. Employability skills will be practiced including a resume. Students will also participate in the production of the yearbook. Students have an opportunity to become an Adobe Certified associate through on-line testing.
Prerequisite: Design and Visual Communications 2

Early Education and Care 1 - CCP ***Gr. 11 - 10 Credits*** ***(7281)***
Early Education and Care 1 - Honors ***Gr. 11 - 10 Credits*** ***(7282)***
This two-period major is the first course in a two-year sequence. Social, emotional, intellectual, and physical development of the child from birth to five years is studied. Placements at early education programs, preschools, and kindergartens are included, focusing on nurturing and guidance skills as well as assisting and observing in the classroom setting. Students must complete seventy-five hours of field experience placement to move to EEC 2.
This course is available for optional Dual Enrollment credit, please see page 18.
Recommended: Intro to Health and Human Services or Department Chair approval

Early Education and Care 2 - CCP ***Gr. 12 - 10 Credits*** ***(7284)***
Early Education and Care 2 - Honors ***Gr. 12 - 10 Credits*** ***(7285)***
This is the second course in this sequence. It provides students with instruction in applying growth and development principles and guidance techniques. Students will have the opportunity to prepare and implement theme-oriented lesson plans and build a curriculum. Placements are provided at elementary schools. Students may have the opportunity to earn American Heart Association CPR, AED, and First Aid Certification. Successful students are eligible for Early Education and Care licensure as a preschool teacher. Students must complete seventy-five hours of field experience to be considered for the Preschool Teaching Certificate. Resumes and portfolios will be completed.
This course is available for optional Dual Enrollment credit, please see page 18.
Prerequisite: Minimum grade of 80 in Early Education and Care 1 or Department Chair approval

Health Care Technology 1– CCP ***Gr. 11 - 10 Credits*** ***(7264)***
Health Care Technology 1– Honors ***Gr. 11 - 10 Credits*** ***(7265)***

This two-period major is the first course in a two-year sequence. The curriculum provides students with instruction in basic patient care skills, principles of restorative care, geriatric nursing principles, introduction to medical terminology and instruction in medical office procedures and administrative skills as they pertain to a medical environment. The curriculum also includes clinical placements in various community medical facilities. Students will be working towards competencies required for eligibility for the Massachusetts Department of Public Health Certified Nursing Assistant Exam. Students will be responsible for maintaining a minimum grade of 80% to advance to Health Care Technology II. Students may earn American Heart Association Basic Life Support for the Healthcare Provider CPR, AED certifications.

Prerequisite: Intro to Health and Human Services or Department Chair approval

Health Care Technology 2 - CCP ***Gr. 12 - 10 points*** ***(7273)***
Health Care Technology 2 - Honors ***Gr. 12 - 10 points*** ***(7274)***

This two-period major is the second course in a two-year sequence that provides students with instruction in patient care skills with an emphasis on body systems, disease prevention and care of clients in the home care setting. Clinical placements will continue from previous year to meet the clinical requirements for student eligibility to test for the Massachusetts Department of Public Health Certified Nursing Assistant Exam. Successful students will have the opportunity to earn additional certifications that include Home Health Aide Certificate of Completion, American Heart Association Basic Life Support Certification, OSHA: Career Safe Certificate and Dean Vaughn Medical Terminology Certificate. Resumes will be created and portfolios completed.

Prerequisite: Minimum passing grade of 80 in Health Care Technology 1 and no more than 10 absences per year due to required clinical hours or Department Chair approval

Photography by Elena Z., Grade 10, Quincy High School

Non-Chapter 74 Programs at NQHS Only

Course Name	Grades	Level	Credits	Course #
Carpentry 1	9, 10, 11, 12	CCP	5	**6042**
Carpentry 2	10, 11, 12	CCP	5	**6052**
Carpentry 3	11, 12	CCP	5	**6062**
Principles of Engineering	10, 11, 12	A	5	**6248**
Intro to Engineering Design	9, 10, 11	H	5	**6249**
Engineering Design and Development	11, 12	A	5	**6259**
Digital Electronics	11, 12	A	5	**6155**
Information Technology 1	10, 11	H	5	**6021**
Information Technology 2	11, 12	H	5	**6031**
Information Technology 3	12	H	5	**6041**
Business Technology 1	10, 11	CCP	5	**6120**
Business Technology 1	10, 11	H	5	**6121**
Business Technology 2	11, 12	H	5	**6124**

Carpentry 1 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(6042) NQHS ONLY***
This is the first course in a sequence of three that provides students with an introduction to many different types of carpentry. Safety is emphasized and students will learn to identify and use hand and power tools. Plan reading, math skills, and layout methods are learned. Familiarization with tools, material ordering, material cutting and procedures will take place through small and large jobs. Students will gain an understanding of all aspects of the industry.
Prerequisite: Fundamentals of Carpentry or Department Chair approval

Carpentry 2 - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(6052) NQHS ONLY***
This is the second course in a sequence of three that provides students with an opportunity to practice the essential skills that will be used in the field. Estimating will be introduced and fastening techniques will be presented. Out of building projects will be a major part of this course. A ten-hour OSHA certification unit will be offered.
Prerequisite: Carpentry 1

Carpentry 3 - CCP ***Gr. 11, 12 - 5 Credits*** ***(6062) NQHS ONLY***
This is the third course in a sequence of three that provides students with an opportunity to practice the essential skills that will be used in the field. Individual skill levels will be assessed and documented. Live work and limited off site work will be a constant example of means to developing good work habits. Students will enter the workforce with skills and an understanding of building and construction methods. Performance assessments will prove competency in rough and finish skills.
Prerequisite: Carpentry 2

Principles of Engineering – Advanced ***Gr.10, 11, 12 – 5 Credits*** ***(6248) NQHS ONLY***
This survey course exposes students to major concepts they will encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. Students develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work, and communicate solutions. Students will be prepared to take the online "End of Course" exam through Rochester Institute of Technology for college credit.
Prerequisite: Introduction to Engineering Design

Introduction to Engineering Design - Honors Gr. 10, 11 - 5 Credits (6249) NQHS ONLY
This course provides students the opportunities to be creative and to develop and apply decision-making and problem-solving skills to design problems. Students will use powerful computer hardware and software (Inventor) to develop 3D models or solid renderings of objects. Using a Computer Aided Design System, students will learn the product design process through creating, analyzing, rendering and producing. Students will gain an understanding of all aspects of the industry. Students will be prepared to take the online "end of course" exam through Rochester Institute of Technology for college credit.

Engineering Design and Development – Advanced Gr. 11, 12 – 5 Credits (6259) NQHS ONLY
In this course, students work as a team to design and construct the solution to an engineering problem. The problems will involve a wide range of engineering applications. Students apply the principals they have developed in the previous courses. Students maintain a portfolio. Teams of students are responsible for delivering progress reports and making final presentations to an outside review panel. The completed portfolio will be invaluable when the students begin applying to colleges.
Prerequisite: Digital Electronics, Principals of Engineering

Artwork by Sarah P., Grade 11, Quincy High School

Digital Electronics – Advanced ***Gr. 11, 12 – 5 Credits*** ***(6155) NQHS ONLY***
This is a course in applied digital logic. Students are introduced to the digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. The course covers application of digital logic and how digital devices are used to control automated equipment. The course uses industry-standard, electronic design software to build circuits and to export designs to a printed circuit auto routing program. Students will be prepared to take the online "End of Course" exam through Rochester Institute of Technology for college credit.

Information Technology 1 - Honors ***Gr. 10, 11 - 5 Credits*** ***(6021) NQHS ONLY***
In this first course in a sequence of three, students will focus on the diagnosing, troubleshooting, upgrading and repairing of Personal Computers (PCs) by learning about microcomputer components, hardware, software, operating systems and other input/output devices. Students will work with both desktop and portable computer systems and software. Hands on labs are an integral part of this course. The primary goal of this course is to give students the basic knowledge and foundation in preparing for and ultimately passing the CompTia A+ Certification Exam. Students will gain an understanding of all aspects of the industry.

Information Technology 2 - Honors ***Gr. 11, 12 – 5 Credits*** ***(6031) NQHS ONLY***
This is the second course in a series of three. Students will review computer maintenance and repair concepts and prepare to take the A+ certification exams. Students will delve into the networking basics for the Internet, the World Wide Web, E-mail, virus protection, file management, security and backup, WAN/LAN Technology, Web pages, Web sites and eCommerce. The primary goal of this course is to give students the basic knowledge and foundation in preparing for and ultimately passing the CompTIA Network+ Certification Exam and/or CISCO CCENT Exam.
Prerequisite: Information Technology 1

Information Technology 3 - Honors ***Gr. 12 - 5 Credits*** ***(6041) NQHS ONLY***
The last course in this series of three, students will focus on digital media, information systems and analysis, databases, computer programming, mobile operating systems and application development, advanced networking concepts and hardware management and going beyond Desktop computing. Students will develop entrepreneurship and project management skills. Students advanced skills may be further developed through capstone projects and/or supervised internships. Resumes will be created and portfolios completed.
Prerequisite: Information Technology 2

Business Technology 1 - CCP ***Gr. 10, 11 - 5 Credits*** ***(6120) NQHS ONLY***
Business Technology 1 - Honors ***Gr. 10, 11 - 5 Credits*** ***(6121) NQHS ONLY***
This is the first course in a sequence of three that provides students with the skills and knowledge necessary to enter the world of business. During the first year, students will explore the day-to-day operations of a business including customer service, technology**,** communications, and finance. Legal, ethical, and community issues will be discussed. Students will gain an understanding of the Microsoft office suite as well as all aspects of the industry.

Business Technology 2 – Honors ***Gr. 11, 12 – 5 Credits*** ***(6124) NQHS ONLY***
In this course students gain a more in depth understanding of the business world, including marketing, management, and accounting. Students will develop skills in database management, charting, presentation, web development, and word processing software and communication.

CVTE Majors at QHS ONLY

Course Name	Grades	Level	Credits	Course #
Automotive Technology 1	10, 11	CCP	10	**7111**
Automotive Technology 1	10, 11	H	10	**7112**
Automotive Technology 2	11, 12	CCP	15	**7114**
Automotive Technology 2	11, 12	H	15	**7115**
Automotive Technology 3	12	CCP	15	**7117**
Automotive Technology 3	12	H	15	**7118**
Film & Television Production Major	12	CCP	10	**7148**
Film & Television Production Major	12	H	10	**7149**
Business Technology 1	10, 11	CCP	5	**7120**
Business Technology 1	10, 11	H	5	**7121**
Business Technology 2	11, 12	CCP	10	**7123**
Business Technology 2	11, 12	H	10	**7124**
Business Technology 3	12	CCP	10	**7126**
Business Technology 3	12	H	10	**7127**
Carpentry 1	10, 11	CCP	5	**7130**
Carpentry 1	10, 11	H	5	**7131**
Carpentry 2	11, 12	CCP	10	**7133**
Carpentry 2	11, 12	H	10	**7134**
Carpentry 3	12	CCP	10	**7136**
Carpentry 3	12	H	10	**7137**
Culinary Arts 1	10, 11	CCP	5	**7160**
Culinary Arts 1	10, 11	H	5	**7161**
Culinary Arts 2	11, 12	CCP	15	**7163**
Culinary Arts 2	11, 12	H	15	**7164**
Culinary Arts 3	12	CCP	15	**7166**
Culinary Arts 3	12	H	15	**7167**
Electrical Technology 1	10, 11	CCP	5	**7170**
Electrical Technology 1	10, 11	H	5	**7171**
Electrical Technology 2	11, 12	CCP	10	**7173**
Electrical Technology 2	11, 12	H	10	**7174**
Electrical Technology 3	12	CCP	10	**7176**
Electrical Technology 3	12	H	10	**7177**
Fashion Design 1	9, 10	CCP	5	**7342**
Fashion Design 1	9, 10	H	5	**7343**
Fashion Design 2	10, 11	CCP	5	**7344**
Fashion Design 2	10, 11	H	5	**7345**
Fashion Design 3	11, 12	CCP	10	**7346**
Fashion Design 3	11, 12	H	10	**7347**
Fashion Design Major	12	CCP	10	**7348**
Fashion Design Major	12	H	10	**7349**
Information Technology 1	10, 11	H	5	**7321**
Information Technology 2	11,12	H	10	**7324**
Information Technology 3	12	H	10	**7327**
Plumbing Technology 1	10, 11	CCP	5	**7230**
Plumbing Technology 1	10, 11	H	5	**7231**
Plumbing Technology 2	11,12	CCP	10	**7233**
Plumbing Technology 2	11, 12	H	10	**7234**
Plumbing Technology 3	12	CCP	10	**7236**

Course Name	Grades	Level	Credits	Course #
Plumbing Technology 3	12	H	10	**7237**
Protective Services 1	10, 11	CCP	10	**7200**
Protective Services 1	10, 11	H	10	**7201**
Protective Services 2	11, 12	CCP	10	**7203**
Protective Services 2	11, 12	H	10	**7204**
Protective Services 3	12	CCP	10	**7206**
Protective Services 3	12	H	10	**7207**
Welding/Metal Technology 1	10, 11	CCP	5	**7220**
Welding/Metal Technology 1	10, 11	H	5	**7221**
Welding/Metal Technology 2	11,12	CCP	10	**7223**
Welding/Metal Technology 2	11, 12	H	10	**7224**
Welding/Metal Technology 3	12	CCP	10	**7226**
Welding/Metal Technology 3	12	H	10	**7227**

Automotive Technology 1 - CCP ***Gr. 10, 11 - 10 Credits*** ***(7111)***
Automotive Technology 1 - Honors ***Gr. 10, 11 - 10 Credits*** ***(7112)***
This is the first course in a sequence of three, which provides students with entry-level skills essential for employment in the automotive field. Students are introduced to tools and procedures for basic automobile repair. Theory and lab work will focus on the brake systems and basic engine functions. Students will gain an understanding of all aspects of the industry.

Automotive Technology 2 - CCP ***Gr. 11, 12 - 15 Credits*** ***(7114)***
Automotive Technology 2 - Honors ***Gr. 11, 12 - 15 Credits*** ***(7115)***
This is the second course in a sequence of three, which provides students with skills for entry-level employment in the automotive field. Students will study the theory and practice applications in fuel systems and electrical systems. They will also be introduced to computer application of computer diagnostics.
Prerequisite: Minimum grade of 70 in Automotive I and teacher recommendation; or Department Chair approval

Automotive Technology 3 - CCP ***Gr. 12 - 15 Credits*** ***(7117) QHS ONLY***
Automotive Technology 3 - Honors ***Gr. 12 - 15 Credits*** ***(7118) QHS ONLY***
This is the third course in a sequence of three, which provides students with the skills to enter the automotive field. Students diagnose problems, inspect and test components and learn the theory and application of the electrical system. Resumes and portfolios completed.
Prerequisite: Minimum grade of 70 in Automotive II or Department Chair approval.

Film & Television Production Major - CCP ***Gr.12 - 10 Credits*** ***(7148)***
Film & Television Production Major - Honors ***Gr.12 - 10 Credits*** ***(7149)***
This course provides students with a more advanced look into the communications field. Students will be assigned in-depth projects working with the school system and community. These projects will involve higher-level techniques in camera work, writing, editing, interviewing, and directing. Advanced skills may be further developed through supervised internships. Resumes and portfolios will be completed.
Prerequisite: Film & Television Production 3

Business Technology 1 - CCP ***Gr. 10, 11 - 5 Credits*** ***(7120)***
Business Technology 1 - Honors ***Gr. 10, 11 - 5 Credits*** ***(7121)***
This is the first course in a sequence of three that provides students with the skills and knowledge to enter the world of business. During the first year, students will explore the day-to-day operations of a business including customer service, technology, communications, and finance. Legal, ethical, and community issues will be discussed. Classroom discussions stimulated by case studies and current business events, highlight the importance of critical thinking, decision making and problem solving. Students will gain an understanding of the Microsoft Office suite as well as all aspects of the industry.

Business Technology 2 - CCP ***Gr. 11, 12 - 10 Credits*** ***(7123)***
Business Technology 2 - Honors ***Gr. 11, 12 - 10 Credits*** ***(7124)***
In this second course of three, students gain a more in depth understanding of the business world, including marketing, management, entrepreneurship, finance, business law and accounting. Students will also develop skills in data base management, charting, presentation, web development, and word processing software and communications in their application to all aspects of business industries. Successful students may be eligible for entry into the National Business Honor Society.
Prerequisite: Minimum grade of 80 in Business Tech I or Department Chair approval

Business Technology 3 - CCP ***Gr. 12 - 10 Credits*** ***(7126)***
Business Technology 3 - Honors ***Gr. 12 - 10 Credits*** ***(7127)***
This is the third course in the sequence of three that provides students with the skills necessary to enter the world of business or further their education in college with a solid foundation in business. Topics include: employability, human resource management, business research and presentations, analyzing and forecasting business trends and opportunities. Students also get a more in depth experience in management, and an entrepreneurship curriculum is explored with students writing and presenting a business plan. Successful students may be eligible for entry into the National Business Honor Society.
Prerequisite: Minimum grade of 80 in Business Tech II or Department Chair approval

Carpentry 1 - CCP ***Gr. 10, 11 - 5 Credits*** ***(7130)***
Carpentry 1 - Honors ***Gr. 10, 11 - 5 Credits*** ***(7131)***
This is the first course in a sequence of three that provides students with an introduction to the many different types of carpentry, including residential building, formwork, framing, and finish. Students will work on skills that are essential to ordering, cutting, and joining framed structures. Safety is emphasized and students will learn to identify and use hand and power tools. Plan reading and layout methods are learned. Familiarization with tools and procedures will take place through small projects and large jobs. Students will gain an understanding of all aspects of the industry.

Carpentry 2 - CCP ***Gr. 11, 12 - 10 Credits*** ***(7133)***
Carpentry 2 - Honors ***Gr. 11, 12 - 10 Credits*** ***(7134)***
This is the second course in a sequence of three that provides students with an opportunity to practice essential skills that will be used in the field. This course builds on the knowledge and skills developed in Carpentry 1. Estimating will be introduced and fastening techniques will be presented. Students will work on framing techniques involving floor and wall assemblies, roof construction, and stairs. Out-of-building projects will begin in this course. A ten-hour OSHA certification course will be offered.
Prerequisite: Minimum grade of 70 in Carpentry I or Department Chair approval

Carpentry 3 - CCP ***Gr. 12 - 10 Credits*** ***(7136)***
Carpentry 3 - Honors ***Gr. 12 - 10 Credits*** ***(7137)***
This is the third course in a sequence of three that brings students to a broader understanding of the trade. Individual skill levels will be assessed and documented. Live work and limited off site work will be a constant example of means to developing good work habits. Students will enter the workforce with skills and an understanding of building and construction methods. Performance assessments will prove competency in rough and finish skills. Resumes will be created and portfolios completed.
Prerequisite: Carpentry 2

Culinary Arts 1 - CCP ***Gr. 10, 11 - 5 Credits*** ***(7160)***
Culinary Arts 1 - Honors ***Gr. 10, 11 - 5 Credits*** ***(7161)***
This is the first course in a sequence of three that provides students with an introduction to skills used in the kitchen to prep food for the student-run restaurant, catering and baking. Students are introduced to and taught how to use kitchen equipment safely. They also gain an understanding of proper sanitation. Students learn the basic methods of preparing meats, poultry, vegetables and fish. Students are familiarized with basic measurements and how to read and follow recipes for breads, cookies, cakes, etc. Basic decorating skills are also introduced in baking. Mandatory uniform is required.

Culinary Arts 2 – CCP ***Gr. 11, 12 - 15 Credits*** ***(7163)***
Culinary Arts 2 - Honors ***Gr. 11, 12 -15 Credits*** ***(7164)***
This is the second course in a sequence of three that provides students with entry-level skills essential in cooking, baking and restaurant management. Students perfect their skills operating the student-run restaurant three days a week, which includes dine-in service, take-out and delivery. Students in this class discuss food costs, pricing menu items, production scheduling, menu preparation and advance their skills with meat, poultry and fish cutting. A Career Safe certification course is required to move onto Culinary 3. Mandatory uniform is required
Prerequisite: Minimum grade of 70 in Culinary Arts I or Department Chair approval

Culinary Arts 3 - CCP ***Gr. 12 - 15 Credits*** ***(7166)***
Culinary Arts 3 - Honors ***Gr. 12 - 15 Credits*** ***(7167)***
This is the third course in a sequence of three that provides students with entry-level skills essential in cooking, baking and restaurant management. Students perfect their skills operating the student-run restaurant three days a week, which includes dine-in service, take-out and delivery. Students in this class discuss food costs, pricing menu items, production scheduling, menu preparation and advance their skills with meat, poultry and fish cutting. A ServSafe sanitation certification course is a requirement of the program. Students also complete their resumes and portfolios for graduation. Mandatory uniform is required.
Prerequisite: Minimum grade of 70 in Culinary Arts 2 or Department Chair approval

Electrical Technology 1 - CCP ***Gr. 10, 11 - 5 Credits*** ***(7170)***
Electrical Technology 1 - Honors ***Gr. 10, 11 - 5 Credits*** ***(7171)***
This is the first course in a sequence of three that provides students with entry-level skills essential for employment in the electrical field. Students are introduced to hand-tools, wiring methods, common shop practices, safety rules, and the development of skills in basic circuit fabrication and testing. Emphasis is placed on Electrical Codes, accuracy and pride in one's work. Hours earned for successful completion of Electrical 1 apply to Massachusetts state licensure requirements. Students will gain an understanding of all aspects of the industry.

Electrical Technology 2 - CCP ***Gr. 11, 12 - 10 Credits*** ***(7173)***
Electrical Technology 2 - Honors ***Gr. 11, 12 - 10 Credits*** ***(7174)***
This is the second course in a sequence of three that provides students with entry-level skills essential for employment in the electrical field. Students design and install various types of circuits used in residential, commercial, and industrial heat, light, and power systems. Major topics of study include circuits, hardware, measurement, and the Electrical Codes. Hours earned for successful completion of Electrical 2 apply to Massachusetts state licensure requirements. A 10-hour OSHA certification course will be offered.
Prerequisite: Minimum grade of 70 in Electrical I or Department Chair approval

Electrical Technology 3 - CCP ***Gr. 12 - 10 Credits*** ***(7176)***
Electrical Technology 3 - Honors ***Gr. 12 - 10 Credits*** ***(7177)***
This is the third course in a sequence of three that provides students with entry-level skills essential for employment in the electrical field. Emphasis is placed on residential service, feeder, and branch circuit requirements, photo-voltaic systems, transformers, and alarm systems. Hours earned for successful completion of Electrical 3 apply to Massachusetts state licensure requirements. Resumes will be created and portfolios completed.
Prerequisite: Electrical Technology 2

Fashion Design 1 - CCP ***Gr. 9, 10 - 5 Credits*** ***(7342)***
Fashion Design 1 - Honors ***Gr. 9, 10 - 5 Credits*** ***(7343)***
This course provides students with the skills and knowledge to construct basic garments, gives them a basic understanding of the fashion design, the cultural and socio-economic reasons for clothing, a background in fashion history, and an overview of careers in the fashion industry. Students will also participate in the annual Quincy High School Fashion Show.

Fashion Design 2 - CCP ***Gr. 10, 11 - 5 Credits*** ***(7344)***
Fashion Design 2 - Honors ***Gr. 10, 11 - 5 Credits*** ***(7345)***
This course is a continuation of Fashion Design 1. Students will further develop their skills and knowledge in garment construction and fashion illustration. They will learn fabric construction and will begin a comprehensive course study of fashion merchandising. Students will take on more significant roles in the production of the annual Quincy High School Fashion Show.
Prerequisite: Minimum grade of 70 in Fashion Design I or Department Chair approval

Fashion Design 3 - CCP ***Gr. 11, 12 - 10 Credits*** ***(7346)***
Fashion Design 3 - Honors ***Gr. 11, 12 - 10 Credits*** ***(7347)***
This is the third course in a sequence of three that provides students with a more advanced knowledge of garment and fashion construction and illustration. Fashion Merchandising will be studied using students work. Students will create their own four-piece collection. Students will learn how to produce every aspect of a public event, specifically the annual Quincy High Fashion Show. Resumes will be created and portfolios completed.
Prerequisite: Fashion Design 2 and instructor approval

Fashion Design Major - CCP ***Gr. 12 - 10 Credits*** ***(7348)***
Fashion Design Major - Honors ***Gr. 12 - 10 Credits*** ***(7349)***
This course enables students to determine a particular field of interest in the fashion industry. Students will create their own four-piece collection. Students will learn how to produce every aspect of a public event, specifically the annual Quincy High Fashion Show. Resumes will be created and portfolios completed.
Prerequisite: Fashion Design 3 or instructor approval

Artwork by Taylor B., Grade 12, Quincy High School

Information Technology 1 - Honors ***Gr. 10, 11 - 5 Credits*** ***(7321)***
In this first course in a sequence of three, students will focus on the diagnosing, troubleshooting, upgrading and repairing of Personal Computers (PCs) by learning about microcomputer components, hardware, software, operating systems and other input/output devices. Students will work with both desktop and portable computer systems and software. Hands on labs are an integral part of this course. The primary goal of this course is to give students the basic knowledge and foundation in preparing for and ultimately passing the CompTIA A+ Certification Exam. Students will gain an understanding of all aspects of the industry.

Information Technology 2 - Honors ***Gr. 11, 12 - 10 Credits*** ***(7324)***
This is the second course in a series of three. Students will review concepts concerning computer maintenance and repair, and prepare to take the A+ certification exams. Students will delve into the networking basics for the Internet, the World Wide Web, E-mail, virus protection, file management, security and backup, WAN/LAN Technology, Web pages, Web sites and e-commerce. The primary goal of this course is to give students the basic knowledge and foundation in preparing for and ultimately passing the CompTIA Network+ Certification Exam and/or CISCO CCENT Exam.
Prerequisite: Information Technology 1

Information Technology 3 - Honors ***Gr. 12 - 10 Credits*** ***(7327)***
The last course in this series of three, students will focus on digital media, information systems and analysis, databases, computer programming, mobile operating systems and application development, advanced networking concepts and hardware management and going beyond desktop computing. Students will develop entrepreneurship and project management skills. Students advanced skills may be further developed through capstone projects and/or supervised internships. Resumes will be created and portfolios completed.
Prerequisite: Information Technology 2

Plumbing Technology 1 - CCP ***Gr. 10, 11 - 5Credits*** ***(7230)***
Plumbing Technology 1 - Honors ***Gr. 10, 11 - 5 Credits*** ***(7231)***
This is the first course in a sequence of three that provides students with entry-level knowledge and skills essential for employment in plumbing related occupations. Students develop knowledge and skills in the following: fundamentals of plumbing, shop safety, materials, tools and joining methods used in plumbing, related math concepts and terminology. Hours earned for successful completion of Plumbing 1 apply to Massachusetts state licensure.

Plumbing Technology 2 - CCP ***Gr. 11, 12 - 10 Credits*** ***(7233)***
Plumbing Technology 2 - Honors ***Gr. 11, 12 - 10 Credits*** ***(7234)***
This is the second course in a sequence of three that provides students with entry-level knowledge and skills essential for employment in plumbing related occupations. Students develop knowledge and skills in the design and construction of building drainage and vent systems, potable water supply systems, plumbing and codes, residential blueprint reading, related math skills and definitions. Hours earned for successful completion of Plumbing 2 apply to Massachusetts State licensure. A 10-hour OSHA certification course will be offered. Students may have the opportunity to work with an instructor on live site-based work experiences.
Prerequisite: Minimum grade of 70 in Plumbing Technology I or Department Chair approval

Plumbing Technology 3 - CCP ***Gr. 12 - 10 Credits*** ***(7236)***
Plumbing Technology 3 - Honors ***Gr. 12 - 10 Credits*** ***(7237)***
This is the third course in a sequence of three that provide students with entry-level knowledge and skills essential for employment in plumbing related occupations. Students develop knowledge and skills in the; design and construction of drain, waste and vent systems, water distribution systems, fuel gas codes and applications, storm drain systems, fixture installations, testing and safety, related math skills and definitions. Students may have the opportunity to work with an instructor on live site-based work experiences. Resumes and portfolios will be completed. Hours earned for successful completion of Plumbing 3 apply to Massachusetts state licensure.
Prerequisite: Plumbing Technology 2

Protective Services 1 CCP ***Gr. 10, 11 - 5 Credits*** ***(7200)***
Protective Services 1 Honors ***Gr. 10, 11 - 5 Credits*** ***(7201)***
This is the first course in a sequence of three that introduces students to the careers in legal and protective services. The curriculum includes the beginning knowledge and application of the laws, rules, regulations, and other influences that govern the operation of the components of our nation's criminal justice system and related citizen protective services. Students will gain an understanding of all aspects of the industry and begin obtaining FEMA (Emergency Management Certifications). Guest speakers and field trips will be utilized.
This course is available for optional Dual Enrollment credit, please see page 18.

Protective Services 2 CCP ***Gr. 11, 12 - 10 Credits*** ***(7203)***
Protective Services 2 Honors ***Gr. 11, 12 - 10 Credits*** ***(7204)***
This is the second course in a sequence of three that provides students with an introduction to protection systems, private security, private investigations, technology security, and environmental safety. Students learn about homeland security and other federal agencies as well as Crime Scene Investigations. More Certifications in leadership from FEMA will be offered as well as Career Safe. Guest speakers and field trips will be utilized.
This course is available for optional Dual Enrollment credit, please see page 18.
Prerequisite: Protective Services 1

Protective Services 3 CCP ***Gr. 12 - 10 Credits*** ***(7206)***
Protective Services 3 Honors ***Gr. 12 - 10 Credits*** ***(7207)***
This is the third course in a sequence of three that gives students an opportunity to develop and apply skills that will assist them in entering the field of protective services. Students learn more in depth knowledge of the roles of First Responders Field experiences include trips and exercises with Police, Judicial System, and Fire Departments. Certifications will be offered in CPR/AED and First Aid. Students advanced skills may be further developed through supervised internships. Resumes and portfolios will be completed. Students will also learn about employability skills. Guest speakers and field trips will be utilized.
This course is available for optional Dual Enrollment credit, please see page 18.
Prerequisite: Protective Services 2

Welding/Metal Technology 1 - CCP ***Gr. 10, 11 - 5 Credits*** ***(7220)***
Welding/Metal Technology 1 - Honors ***Gr. 10, 11 - 5 Credits*** ***(7221)***
This is the first course in a sequence of three that provides students with entry-level skills essential for employment in this high-tech manufacturing industry. Students will learn all trade related machinery operations, along with welding, metals layout, and the cutting and forming of various types of metals. All forms of welding will be to the standards and requirements of the American Welding Society. Students will gain an understanding of all aspects of the industry.

Welding/Metal Technology 2 - CCP ***Gr. 11, 12 - 10 Credits*** ***(7223)***
Welding/Metal Technology 2 - Honors ***Gr. 11, 12 - 10 Credits*** ***(7224)***
This second year course in a sequence of three prepares students for careers in the metal technology field. Students will learn additional welding techniques, metals layout, and the forming of various types of steels. All forms of welding will be to the standards of the American Welding Society, so those students will have the opportunity to become certified in welding of metals. A 10-hour OSHA certification course will be offered.
Prerequisite: Minimum grade of 70 in Welding/Metal Technology I or Department Chair approval

Welding/Metal Technology 3 - CCP ***Gr. 12 - 10 Credits*** ***(7226)***
Welding/Metal Technology 3 - Honors ***Gr. 12 - 10 Credits*** ***(7227)***
This third year course in a sequence of three provides students with entry-level skills essential for employment in the Welder-Fitter and Machine Operator occupations. Major topics include programming and operation of computerized robotic machinery and the ability to form and cut metals to blueprint requirements. Students will also have the opportunity to become certified as welders to the standards of the American Welding Society. Resumes will be created and portfolios completed.
Prerequisite: Welding/Metal Technology 2

Project Lead the Way at QHS ONLY

Quincy High School has been designated a Project Lead the Way Certified School. In order to graduate as a Project Lead the Way Engineering major, it is required that the student take four of the following courses: IED (Introduction to Engineering Design), POE (Principals of Engineering), DE (Digital Electronics), CEA (Civil Engineering and Architecture), and CIM (Computer Integrated Manufacturing). Successful students in these classes may apply for credit to PLTW (Project Lead the Way) affiliate schools.

Course Name	Grades	Level	Credits	Course #
Introduction to Engineering Design	9, 10, 11, 12	H	5	**5300**
Introduction to Engineering Design	10, 11, 12	H	5	**7249**
Digital Electronic	10, 11, 12	A	5	**7255***
Principles of Engineering	10, 11, 12	A	5	**7248***
Civil Engineering & Architecture	10, 11, 12	A	5	**7254**
Computer Integrated Manufacturing	10, 11, 12	A	5	**7256****
Engineering Design and Development	12	A	5	**7259****

* It is recommended taking these courses together to stay on sequence for testing and certification.
** It is recommended taking these courses together to stay on sequence for testing and certification.

Introduction to Engineering Design - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(5300)***
Introduction to Engineering Design - Honors ***Gr. 10, 11, 12 - 5 Credits*** ***(7249)***
This course provides students the opportunities to be creative and to develop and apply decision-making and problem-solving skills to design problems. Students will use powerful computer hardware and software (Inventor) to develop 3D models or solid renderings of objects. Using a Computer Aided Design System, students will learn the product design process through creating, analyzing, rendering and producing. Students will gain an understanding of all aspects of the industry. Students will be prepared to take the online "end of course" exam through Rochester Institute of Technology for college credit.

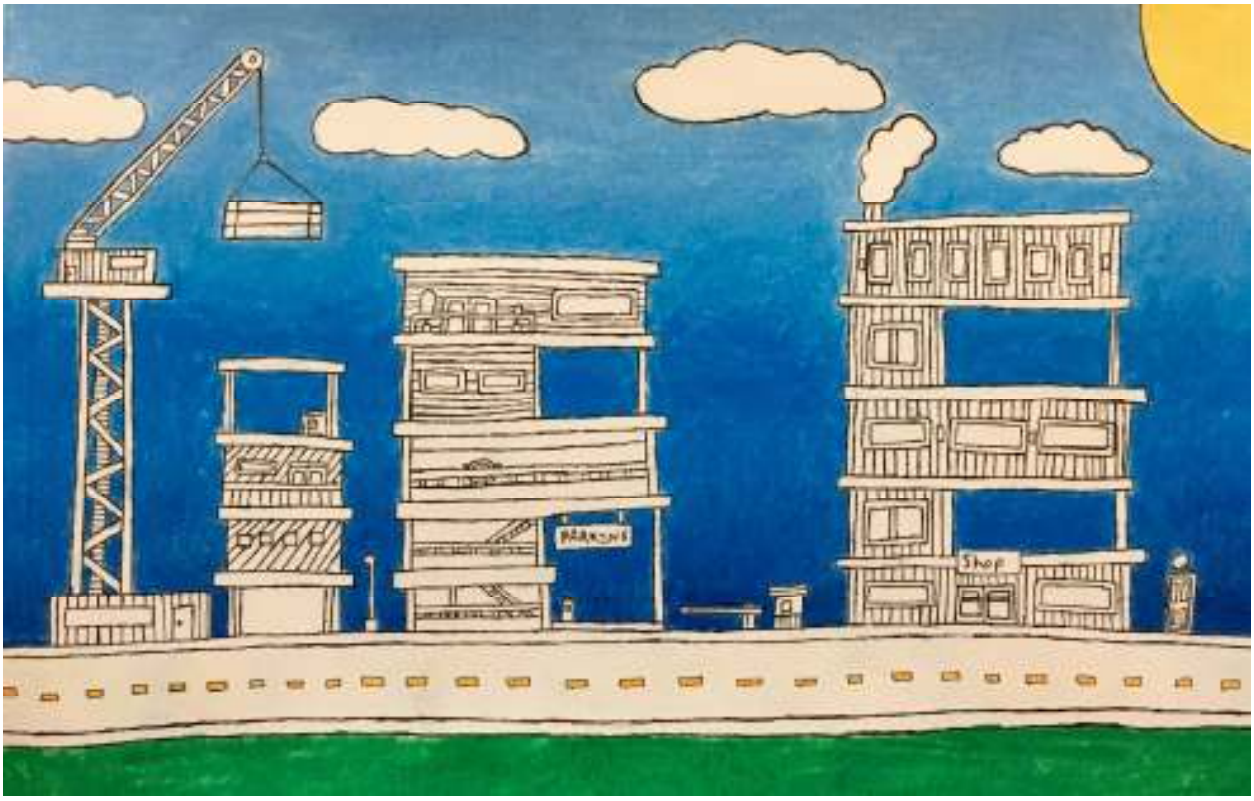
Digital Electronics - Advanced ***Gr. 10, 11, 12 - 5 Credits*** ***(7255)***
This is the second course in a sequence. This is a course in applied digital logic. Students are introduced to the digital circuits found in video games, watches, calculators, digital cameras and thousands of other devices. The course covers the application of digital logic and how digital devices are used to control automated equipment. The course uses industry standard, electronic design software to build circuits and to export designs to a printed circuit auto routing program. Students will be prepared to take the online "End of Course" exam through Rochester Institute of Technology for college credit.
Recommended Co-elective: Principles of Engineering (to stay on sequence)

Principles of Engineering - Advanced ***Gr.10, 11, 12 - 5 Credits*** ***(7248*)***
This survey course exposes students to major concepts they will encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. Students develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work, and communicate solutions. Students will be prepared to take the online "End of Course" exam through Rochester Institute of Technology for college credit.
Prerequisite: Introduction to Engineering Design
Recommended Co-elective: Digital Electronics (to stay on sequence)

Civil Engineering and Architecture - Advanced ***Gr. 10, 11, 12 - 5 Credits*** ***(7254)***
This course will take the student from the topographical analysis and revisions of an existing site to the Architectural design proposal and working drawing process of a structure for that piece of land. Groups of students will work in teams, working with levels, tapes, and state-of-the-art 3D architectural design software. The design team will explore the needs of the community to justify the design solution and create a formal presentation of their solutions. Portfolios will be developed and maintained. Students will be prepared to take the online "End of Course" exam through Rochester Institute of Technology for college credit.

Computer Integrated Manufacturing - Advanced Gr. 10, 11, 12 - 5 Credits (7256*)
CIM is a course that applies principles of prototyping, robotics, and automation. It builds on the solid manufacturing skills developed in IED. Students will use computer controlled rapid prototyping and CNC equipment to solve problems by constructing models of their three-dimensional designs. Students are introduced to the fundamentals of robotics and to how this equipment is used in an automated manufacturing environment. All designs are evaluated using various techniques and modifications before producing the prototypes. Students will be prepared to take the online "End of Course" exam through Rochester Institute of Technology for college credit.
Prerequisite: Introduction to Engineering Design
Recommended Co-elective: Engineering Design and Development

Engineering Design and Development - Advanced Gr. 12 - 5 Credits (7259*)
In this course, students work as a team to design and construct the solution to an engineering problem. The problems will involve a wide range of engineering applications. Students apply the principals they have developed in the previous courses. Students maintain a portfolio. Teams of students are responsible for delivering progress reports and making final presentations to an outside review panel. The completed portfolio will be invaluable when the students begin applying to colleges.
Prerequisite: Digital Electronics, Principals of Engineering Recommended Co-elective: Computer Integrated Manufacturing or Civil Engineering and Architecture



Artwork by Albert G., Grade 11, Quincy High School

ELECTIVES

AEROSPACE SCIENCE (AFJROTC) at NQHS ONLY

Course Name	Grades	Level	Credits	Course #
Aerospace Science 1	9, 10, 11	CCP	5	**9112**
Aerospace Science 1	9, 10, 11	H	5	**9113**
Aerospace Science 2	10, 11, 12	CCP	5	**9122**
Aerospace Science 2	10, 11, 12	H	5	**9123**
Aerospace Science 3	11, 12	CCP	5	**9132**
Aerospace Science 3	11, 12	H	5	**9133**
Aerospace Science 4	12	CCP	5	**9142**
Aerospace Science 4	12	H	5	**9143**

Aerospace Science 1– CCP ***Gr. 9, 10, 11 - 5 Credits*** ***(9112)***
Aerospace Science 1 - Honors ***Gr. 9, 10, 11 - 5 Credits*** ***(9113)***
This course opens with an overview of aviation history, focusing on the development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. The course also includes a leadership unit that introduces students to the mission of Air Force Junior ROTC, its organization, and philosophies. The students are exposed to important citizenship qualities such as patriotism, loyalty, honor, self-discipline, self-reliance, leadership, management, and health wellness. Students will learn the customs and courtesies associated with classroom activities, details concerning care and display of the United States flag, care and wear of the Air Force Junior ROTC uniform, physical fitness, wellness and personal appearance standards, as well as attitude and discipline expectations. During leadership/Drill and Ceremonies, students are instructed in marching and conducting ceremonial events. Students take part in organized drill meets against other JROTC schools and as well as internal competitions. Local community service activities are expected as part of leadership education.

Aerospace Science 2 - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(9122)***
Aerospace Science 2 - Honors ***Gr. 10, 11, 12 - 5 Credits*** ***(9123)***
This course introduces the aerodynamics of aviation. The cadets study four areas of flight that impact the pilot and the aircraft: physiology, weather, aerodynamics, and navigation. This course continues the student's exposure to important citizenship qualities such as patriotism, loyalty, honor, self-discipline, self-reliance, leadership and management. This course introduces students to the effective communication skills required to assume future positions of responsibility in the Cadet Group. Effective writing, speaking, and listening skills are emphasized. Cadets are led through a series of exercises that teach them about themselves, human motivation, defense mechanisms, and individual responsibilities. Group dynamics, group effectiveness, prejudices, and sexual and gender harassment are investigated, so human groups can be better understood. Finally, the course presents basic leadership concepts and principles, situational leadership, and the necessity and techniques of developing teamwork. During leadership/Drill and Ceremonies, training students are instructed in marching and conducting ceremonial events. Students take part in drill meets against other JROTC schools. Local community service activities are expected as part of leadership education. Wellness initiatives are included in instruction.

Aerospace Science 3 - CCP ***Gr. 11, 12 - 5 Credits*** ***(9132)***
Aerospace Science 3 - Honors ***Gr. 11, 12 - 5 Credits*** ***(9133)***
This course studies current aviation developments and reviews the space exploration program. Cadets study the technology of flight and propulsion used in man's first exploratory efforts in space and the developments that led to the landings on the moon. The course looks at the technology that has come out of America's space program and the role of the National Aeronautics and Space Administration. Students will be exposed to the spacecraft, propulsion techniques, men, and industry necessary to launch the highly successful Apollo program. The astronautics of launch

and recovery of spacecraft is discussed. Future space exploration efforts and theories are also covered. Students are exposed to important citizenship qualities such as patriotism, loyalty, honor, self-discipline, self-reliance, leadership and management. This course introduces students to management theories including but not limited to Theory X, Theory Y, Theory Z, and the one-minute manager. The Management process is taught covering planning, organizing, coordinating, directing, and controlling. Advanced citizenship skill are taught, including systems of government, patterns in our society, 21st century ideologies, structure and characteristics of our government, and their rights and obligations as good, productive, democratic citizens. Emphasis is also placed on ethics with instruction in values, morals, ethics, and culturally accepted rules of conduct. Decision-making in an ethical environment is addressed. Students take part in drill meets against other JROTC schools. Local community service activities are expected as part of leadership education. Wellness initiatives are included in instruction.

Aerospace Science 4– CCP ***Gr. 12 - 5 Credits*** ***(9142)***
Aerospace Science 4 - Honors ***Gr. 12- 5 Credits*** ***(9143)***

The course covers survival techniques in various environments and takes an in-depth look at the methods pilots use to navigate both on the ground in survival situations and in the air in strategic, tactical, and civil flying operations. The cadets are given full responsibility for planning, organizing, coordinating, directing, and controlling the cadet group. Cadets are placed in positions of responsibility and authority to ensure all cadet activities are properly conducted. This course includes the use of *Aerospace Science: The Exploration of Space* and *Explorations: An Introduction to Astronomy*, which examines our Earth, the Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned spaceflight. Issues that are critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes, guidance and control systems are explained. It also covers the development of space stations, the Space Shuttle and its future, and international laws for the use of and travel in space. Planning for career paths and searching for jobs are covered in-depth. College applications and selection of colleges, planning for degrees, nontraditional college systems, vocational or trade school education, and on-the-job training are all discussed. Federal government employment opportunities and submission procedures are covered. Employment in the aerospace industry is also covered in-depth to include types of jobs and career classifications such scientists and radar controllers for the Federal Aviation Administration. Leadership/Drill and Ceremonies - Students are instructed in marching and conducting ceremonial events. Students take part in drill meets against other JROTC schools. Local community service activities are graded as part of leadership education. Students conduct wellness training.

Artwork by Lucy C., Grade 12, Quincy High School

CREATIVE AND PERFORMING ARTS

The goals of the high school arts programs are consistent with the Massachusetts Arts Curriculum Framework for Dance, Music, Theatre and Visual Arts. The arts departments offer students the chance to experience a wide range of learning opportunities within the arts. Students can express ideas and emotions that they cannot express in language alone. In order to understand the range of depth of the human imagination, one must have knowledge of the arts. A variety of assessment methods are used to evaluate what students know and are able to do. The curriculum emphasizes the development of skills and fosters an understanding of creating and performing. One of the programs core values is to create connections between the arts and other disciplines, with an emphasis on the core curriculum.

Through the electives program students will be able to:

- express ideas, emotions and beliefs
- acquire and apply the essential skills and literacy unique to each art form
- participate in the cultural life of the community
- use imaginative and reflective thinking during all phases of creating and performing.

Course Name	Grades	Level	Credits	Course #
Art 1	9, 10, 11, 12	CCP	5	**6212**
Art 1	9, 10, 11, 12	H	5	**6213**
Art 1	9, 10	CCP	2.5	**6215**
Art 1	9, 10	H	2.5	**6216**
Art History: Western Art	9, 10, 11, 12	CCP	2.5	**6245**
Art History: Western Art	9, 10, 11, 12	H	2.5	**6246**
Art History: Non-Western Art	9, 10, 11, 12	CCP	2.5	**6255**
Art History: Non-Western Art	9, 10, 11, 12	H	2.5	**6256**
Two Dimensional Design	10, 11, 12	CCP	2.5	6225*
Two Dimensional Design	10, 11, 12	H	2.5	6226*
Three Dimensional Sculpture	10, 11, 12	CCP	2.5	**6235***
Three Dimensional Sculpture	10, 11, 12	H	2.5	**6236***
Art 2	10, 11, 12	CCP	5	6222
Art 2	10, 11, 12	H	5	6223
Art 3	11, 12	CCP	5	6232*
Art 3	11, 12	H	5	6233*
Advanced Art	11, 12	A	5	**6251***
AP Studio Art 2D	11, 12	A	5	**6252***
Art Major/Portfolio	11, 12	H	5	**6243***
Art Independent Study	11, 12	H	5	6290*
Digital Photography 1	9, 10, 11, 12	CCP	2.5	6265
Digital Photography 1	9, 10, 11, 12	H	2.5	6266
Digital Photography 2	10, 11, 12	CCP	2.5	**6275**
Digital Photography 2	10, 11, 12	H	2.5	**6276**
Digital Photography 2	10, 11, 12	CCP	5	**6272**
Digital Photography 2	10, 11, 12	H	5	**6273**
Digital Art and Design	11, 12	H	5	6283
Digital Art	9, 10	CCP	2.5	**6281**
Digital Art	9, 10	H	2.5	**6282**
Digital Portfolio	11, 12	H	5	6284
Photo Independent Study	11, 12	H	5	**6291**
Band	9, 10, 11, 12	H	5	6303
Band	9, 10, 11, 12	A	5	6304

Course Name	Grades	Level	Credits	Course #
Band Experience	9, 10, 11, 12	H	2.5	6306
Music Theory I	10, 11, 12	A	5	6349
Choir I – Junior Choir	9, 10, 11, 12	H	5	6316
Choir II – Concert Choir	9, 10, 11, 12	H	5	6313
Choir II – Concert Choir	10, 11, 12	A	5	6314
Select/Horizons Choir	9, 10, 11, 12	H	2.5	6373*
Vocal, Piano, and Guitar Solo & Ensemble	9, 10, 11, 12	H	5	6317*
AP Music Theory	11, 12	A	5	6354
Introduction to Theater	9, 10,	H	5	**6327**
Theater Arts 1	9, 10	H	2.5	**6344**
Theater Arts 2	10, 11, 12	H	5	**6345**
Music Fundamentals & Appreciation	9,10,11,12	H	5	6334
Theater Experience	11, 12	H	5	**6320**
Acting 1	10, 11	H	5	**6347**
Acting 2	11, 12	H	5	**6348**
Stage Technology 2	11, 12	H	5	**6329**
Stage Technology 1	10, 11	H	5	**6330**
Interdisciplinary Arts Study	12	H	5	**6399***
History of Art and Film	11, 12	H	5	**6257**

** Teacher approval required.*

Note: 3.75 Credit courses for Band and Choir may be offered to students to meet physical education graduation requirements. Teacher and Guidance approval required.

Art 1 - CCP ***Gr. 9, 10, 11, 12 –5 Credits*** ***(6212) QHS ONLY***
Art 1 - Honors ***Gr. 9, 10, 11, 12 –5 Credits*** ***(6213) QHS ONLY***
Art 1 - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(6215) NQHS ONLY***
Art 1 - Honors ***Gr. 9, 10 - 2.5 Credits*** ***(6216) NQHS ONLY***

This is a foundation course where students will employ basic elements of art and principles of design, tools, and media common to the process of creating works of art. Students will explore, investigate and implement successful use of line, shape, form, value, space, color, and texture. Students will be guided through the creative process to develop critical thinking skills. Students will also acquire concept development strategies and observational skills throughout the school year. Finally, students will examine works of artists throughout history with emphasis on the artist's intentions. Portfolio/ sketchbooks will be a required part of assessment. QHS Only: This course is a prerequisite for 2D Studies and 3D Studies.

Art History: Western - CCP ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(6245) QHS ONLY***
Art History: Western - Honors ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(6246) QHS ONLY***

Art History: Western is a survey of Art History from western traditions. This half-year course will develop critical thinking skills through the analysis of architecture, sculpture, painting, and other media within diverse historical and cultural contexts. Art History students will trace the development of styles across times, learn that art has been an integral part of the human experience, and be able to give examples of how art has been used as a communication tool. Throughout the course students will observe the relationship between changes in society and styles in art, understand that art styles also develop as reactions to, or extensions of , existing and past styles and use the Critical Method (describe, analyze, interpret, evaluate) to critique works of art. Students apply will apply knowledge in various forms including writing, performance, and visual art. In addition, a cumulative binder will be a form of assessment.

Art History: Non-Western - CCP ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(6255) QHS ONLY***
Art History: Non-Western - Honors ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(6256) QHS ONLY***
Art History: Non- Western is a survey of Art History from non- western traditions. This half-year course will develop critical thinking skills through the analysis of architecture, sculpture, painting, and other media within diverse historical and cultural contexts. Art History students will trace the development of styles across time periods, learn that art has been an integral part of the human experience and be able to give examples of how art has been used as a communication tool. Throughout the course students will observe the relationship between changes in society and styles in art, understand that art styles also develop as reactions to, or extensions of , existing and past styles and use the Critical Method (describe, analyze, interpret, evaluate) to critique works of art. Students will apply knowledge in various forms including writing, performance, and visual art. In addition, a cumulative binder will be a form of assessment.

Two Dimensional Design-CCP ***Gr. 10, 11, 12 - 2.5 credits*** ***(6225*)***
Two Dimensional Design-Honors ***Gr. 10, 11, 12 - 2.5 credits*** ***(6226*)***
For those students who have taken Art 1, this is a progressive exploration of a more in-depth and expanded approach to utilizing media, techniques and expressive qualities of making two dimensional works of art. A variety of 2D wet and dry mixed media will be explored in relation to developing a personal artistic style and aesthetic through experimentation. Students will also examine art's historical, social, and political context in relation to their work. Sketchbooks and portfolios will be part of the assessment process. Higher expectations in quality of classwork and homework are expected in the Honors level class.
This course is available for optional Dual Enrollment credit, please see page 18.
Prerequisite: Art 1 and teacher approval

Three Dimensional Sculpture –CCP ***Gr. 10, 11, 12 - 2.5 credits*** ***(6235*) QHS ONLY***
Three Dimensional Sculpture –Honors ***Gr. 10, 11, 12 - 2.5 credits*** ***(6236*) QHS ONLY***
For those students who have taken Art 1, this is a progressive exploration of a more in-depth and expanded approach to utilizing media, techniques and expressive qualities of making three dimensional works of art. While using clay will be a focus, mixed media and other 3D materials are encouraged and explored. Both functional and sculptural material explorations and techniques will be explored through pottery on the wheel and hand building. Students will also examine art's historical, social, and political context in relation to their work. Higher expectations in quality of classwork and homework are expected in this Honors level class.
This course is available for optional Dual Enrollment credit, please see page 18.
Prerequisite: Art 1 and teacher approval

Art 2 - CCP ***Gr. 10, 11, 12 - 5 Credits*** ***(6222)***
Art 2 - Honors ***Gr. 10, 11, 12 - 5 Credits*** ***(6223)***
Art 2 is a continuation of the foundational skills developed in Art 1. In this course, students will explore various media, focusing on the expressive qualities of materials and tools. Students will further develop critical and creative thinking skills through conceptualizing, developing, executing and critiquing works of art. These pieces will focus on the idea of art as a visual communication tool. Students will continue to examine works done by artists in their historical, social, and political context. Students will also develop their individual styles through observation, abstraction, and invention. Portfolios/ sketchbooks will be a required part of assessment.

Art 3 - CCP ***Gr. 11, 12 - 5 Credits*** ***(6232*) QHS ONLY***
Art 3 - Honors ***Gr. 11, 12 - 5 Credits*** ***(6233*) QHS ONLY***
This is a studio course where students will be expected to apply past art making experiences with an emphasis on student driven solutions to given visual problems. Students are expected to take a more independent role than they have in past courses pertaining to media, techniques and processes. The art learning standards here are concerned with visual perception, craftsmanship, creative problem solving, and responsiveness to aesthetic concerns, art criticism and cultural awareness. Portfolios/journals will be required as part of the assessment process.
This course is available for optional Dual Enrollment credit, please see page 18.
Prerequisite: Art 2

Advanced Art - Advanced Gr. 11, 12 - 5 Credits (6251*) NQHS ONLY
Advanced Art is a course for students who have taken Art 1 and Art 2. In this course, students start building a portfolio for college as well as the AP portfolio. The curriculum will cover drawing, 2-D and 3-D design. A sketchbook journal will be a requirement of the course. An end of the year art exhibition will also be a requirement of the course.
Prerequisite: teacher approval

AP Studio Art - Advanced Gr. 11, 12 - 5 Credits (6252*) NQHS ONLY
AP Studio Art is a course for the serious art student interested in the practical experience of art. All students will be required to submit a portfolio to the AP studio art "test" and to keep a sketchbook journal. This course serves as a great course for students preparing for art school. Students will be working on the breadth, concentration, and quality of their portfolios. Students will be expected to produce work that develops mastery in the concept, composition, and execution of ideas. An end of the year exhibition will be a requirement for this course. This course can be taken in conjunction with Advanced Art.
Prerequisite: teacher approval

Art Major/ Portfolio - Honors Gr. 11, 12 - 5 Credits (6243*) QHS ONLY
Art Major/ Portfolio is a continuation of the skills developed in Art 3. This studio course is designed to support committed students who are seriously considering a continuation of their visual arts experience in higher education. Students will be expected to exhibit a high level of self‐motivation, creating a portfolio for application to art schools and colleges. Throughout the year, students will continue to develop and fine tune visual perception, craftsmanship, creative problem solving, critique, and cultural awareness.
Prerequisite: teacher approval

Art Independent Study - Honors Gr. 12 - 5 Credits (6290*)
Independent study is designed to accommodate the student who has completed at least two years of art and is strongly motivated and able to work independently without much direction from the instructor. Student and teacher will work together to create a program specific to each student's needs and interests with predetermined assignments and goals. Portfolios/sketchbooks will be required as part of the assessment process.
Prerequisite: teacher approval

Digital Photography 1 - CCP Gr. 9, 10, 11, 12 - 2.5 Credits (6265)
Digital Photography 1 - Honors Gr. 9, 10, 11, 12 - 2.5 Credits (6266)
The curriculum covered in this course will include the use and functions of a basic digital camera, downloading and storing images, as well as basic digital editing and manipulation techniques. This course will provide each student with a foundation of visual literacy and communication using a range of 2-D art and techniques. Projects allow students to develop real-world applicable analytical thinking and problem solving skills useful in a wide variety of industries. Students must provide their own digital camera to take this course.

Digital Photography 2 - CCP Gr. 10, 11, 12 - 5 Credits (6272) NQHS ONLY
Digital Photography 2 –Honors Gr. 10, 11, 12 - 5 Credits (6273) NQHS ONLY
Digital Photography 2 - CCP Gr. 10, 11, 12 - 2.5 Credits (6275) QHS ONLY
Digital Photography 2 –Honors Gr. 10, 11, 12 - 2.5 Credits (6276) QHS ONLY
This course allows students to expand on the skills developed in Digital Photography 1. The curriculum will cover a wide range of subjects from commercial photography to abstract photography. The course includes several challenging long-term digital photography projects, advanced digital editing techniques using Adobe Photoshop and additional software programs, developing and printing black and white film in the school's darkroom. Projects in this course tare heavily concept driven. Students must provide their own digital camera to take this course.

Digital Art and Design - Honors Gr. 11, 12 - 5 Credits (6283)

Digital and Design provides and in-depth exploration of digital photography, graphic design and digital art as a tool for creative expression. This course will build on the foundation of editing skills students established in the first two levels of Photo or art classes. By using a problem solving approach to design, students apply advanced solutions to print and digital design through preparing highly comprehensive layouts. Students explore illustration by combining traditional and digital media and investigate the role of motion and interactivity in graphic design. Students will also be exposed to the fields of motion graphics, illustration, and interactive design and learn how to prepare their work for both print and digital output. A range of design problems in both print and digital media will be explored. Projects will reflect the range of work and professional practices designers encounter in their studio, agency or corporate design environment. Issues in pre-press production, professional design practices and ethics are emphasized. Students must provide their own digital camera to take this course.

Prerequisite: teacher approval

Digital Portfolio - Honors Gr. 11, 12 - 5 Credits (6284)

Digital Portfolio is a course for students who wish to use digital photography and/or graphic arts to explore subjects in depth. This expert-level studio course offers further study in the fine arts of photography and design with a continued emphasis on developing significant personal imagery. Volume and quality of work are held to a much higher standard, with an added focus on developing a portfolio for purposes of further study, marketing and application to colleges. Each student will become more technically and aesthetically competent with the camera and the computer as tools of visual communication. This course is strongly recommended for any students planning to apply to colleges for photography, graphic design or illustration. Students will work with the instructor to create self-directed assignments geared toward building a cohesive portfolio of images. Students will journal their efforts and create an artist's statement as part of their portfolio. The experience will culminate in student exhibitions of their imagery. Students must have their own digital camera. Any digital camera can be used; however, students are strongly encouraged to have their own digital SLR camera for this course.

This course is available for optional Dual Enrollment credit, please see page 18.

Prerequisites: teacher approval

Photo Independent Study - Honors Gr. 11, 12 - 5 Credits (6291) NQHS ONLY

Independent study is designed to accommodate the student who has completed at least two years of photography and is strongly motivated and able to work independently without much direction from the instructor. There will be an emphasis placed on creative problem solving and visual interpretation skills as well as working through a photographic process using critical thinking skills. Students will be responsible for creating journals to track their photographic endeavors that will be graded and evaluated along with their portfolio presentations.

Prerequisite: teacher approval

Prerequisite: Digital Photography 1 or 2 and instructor's approval (NQHS)

History of Art and Film – Honors Gr. 11, 12 – 5 Credits (6257) NQHS ONLY

This exploration of the humanities will develop the student's critical thinking skills through an expansive exploration and analysis of painting, sculpture, architecture, photography, and classic and modern cinema. Students will trace the development of style across time periods and cultures and gain an understanding of how art has been used as an integral communication tool. Using the Critical Method (describe, analyze, interpret, evaluate) students will critique works of art through a variety of assessment methods.

Artistry Independent Study Gr. 10, 11, 12 - 5 Credits (6399*) QHS ONLY

In this differentiated and interdisciplinary course, students will choose one or more areas of concentration. They will then propose, design, research and develop a thesis project. These projects can be based in, but not limited to, fashion design, the performing arts, technical theatre and design, the visual arts, vocal or instrumental music and arts education. ***Prerequisite: teacher approval***

Band - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(6303)***

This course is designed as an instrumental music training, performance and musicianship class. The High School Band performs a broad spectrum of music, including major band works, marching band shows, arrangements of folk music, musical theater, popular and classical music. Students perform in school concerts and at community events such as parades, football games, and rallies. Classes consist of band rehearsals, ear training, sight-reading, music listening, demonstrations, discussions, learning activities, performances and practice. Homework assignments include practicing your instrument at home, some music memorization, various reading assignments and worksheets. Curriculum areas covered include the following: instrumental technique, musical development, repertoire preparation, music theory, and performance. **Attendance at after-school/evening concerts, rehearsals, community events and graduation is mandatory for this course.**

Band - Advanced ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(6304)***

This course aligns with and is concomitant with Band 6303/6308. The course builds upon skills developed in Band Honors and provides for class leadership in instrumental technique, performance, and musicianship. Independent study and projects are assigned in the areas of solo performance, instrumental technique, and music theory in order to advance the level of musicianship. Students are required to prepare fully for auditions for the MMEA District Music Festival and All-State Music Festival (if invited) and to participate in these festivals fully if accepted. Students are highly encouraged to pursue private lessons and to participate in at least one music department solo recital night. **Attendance at after-school/evening concerts, rehearsals, community events and graduation is mandatory for this course.**

Prerequisite: Band Honors 6303/6308 and Band Director approval based on assessment

Band Experience - Honors ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(6306)***

This course may be substituted for band only if a schedule conflict exists. Students are expected to fulfill the requirements outlined in the standard Band course description.

Music Theory I - Advanced ***Gr. 10, 11, 12 - 5 Credits*** ***(6349)***

Music students in the band and chorus or students who have already completed Music Fundamentals & Appreciation are encouraged to enroll in Music Theory I. This course continues the study of pitch, rhythm, harmony, and form introduced in Music Fundamentals & Appreciation and delves into much greater depth in each of these areas, especially the areas of harmony and voice leading. The course also introduces students to basic concepts in music history and cultivates an appreciation of the various musical styles found in the common practice period of Western music. Much greater emphasis will be placed on aurally integrating the concepts presented in the course through the use of ear training and sight singing.

Prerequisite: Music Fundamentals & Appreciation, or teacher approval.
Not offered for 2020-2021 School Year.

AP Music Theory– Advanced ***Gr. 11, 12 - 5 Credits*** ***(6354)***

This course is designed after a first-year collegiate course in musicianship, theory, musical materials, and procedures, the goal of which is to prepare students to take the AP Examination in Music Theory. It continues the integrated study of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and to some extent, history and style introduced in Music Theory I, and delves into much greater depth in each of these areas. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony constitute integral components of this course. To receive advanced credit, students are required to take the AP exam at the end of the course.

Prerequisites: Music Fundamentals, Music Theory I, basic performance skills in voice or on an instrument along with the ability to fluently read and write musical notation, and/or teacher approval.

Choir I - Junior Choir - Honors Gr. 9, 10, 11, 12 - 5 Credits (6316)

Designed as an introductory course in choral music, students study vocal technique, performance, musicianship and choral skills with other beginning high school choral students. Students study Level 1, 2 and 3 literature, music fundamentals, basic choral reading, vocal production, diction, intonation, and numerous choral skills necessary to perform two, three and four-part choral literature. Students perform beginning choir arrangements, folk arrangements, musical theatre, popular and classical styles. Through public performances, students develop ensemble skills, poise, self-confidence, stage presence and independence. Choir members are required to participate in rehearsals and concerts during and after school, graduation exercises, and community events. Students may audition for the select choir and participate in the MMEA District Music Festival.

Choir II - Concert Choir - Honors Gr. 10, 11, 12 - 5 Credits (6313)

This course advances studies from Choir I in choral music vocal technique, performance, musicianship and choral skills. It is a mixed voice, SATB chorus. Students study Level 3, 4 and 5 literature, music fundamentals, intermediate choral reading, vocal production, diction, intonation, and numerous choral skills necessary to perform four, five, and six-part choral literature. Students perform a broad spectrum of choral music including major choral works, folk and musical theatre arrangements, popular and classical styles. Through public performances, students further develop ensemble skills, poise, self-confidence and stage presence built in Choir I. Choir members are required to participate in rehearsals and concerts during and after school, graduation exercises, and community events. Students may audition for after-school select choir and participate in the MMEA Eastern District-All-State Festival process.

Prerequisite: Choir I 6315, 6316 or Choral Director approval based on assessment

Choir II - Concert Choir – Advanced Gr. 10, 11, 12 - 5 Credits (6314)

This course aligns with and is concomitant with Choir 6313/6318. The course builds upon skills and knowledge previously developed in Choir Honors and provides for class leadership in vocal technique, performance and musicianship. Independent study and projects are assigned in the areas of music theory, ear training and sight singing in order to advance the level of musicianship. Students are expected to prepare for auditions for the MMEA District Music Festival, as well as for the All-State Music Festival (if invited) and to participate in the festivals fully if accepted. Students participate in all Choir 6313 activities and events. After-school requirements include independent study, homework, tutoring and after-school rehearsals and concerts.

Prerequisite: Choir II 6313 and Choral Director approval based on assessment

Select/Horizons Choir - Honors Gr. 9, 10, 11, 12 - 2.5 Credits (6373)

Students are accepted only through audition into this small, mixed voice after-school choral ensemble. This advanced choral group meets weekly in the afternoon and/or evening and performs at school and community concerts, events and ceremonies. Advanced musical concepts and literature are studied, including sight reading, vocal production, diction, intonation, phrasing, dynamics and ensemble skills. Major choral works, masterworks, spirituals, jazz, Renaissance, musical theater and show choir music are performed. Attendance, reliability and choir leadership are integral to this course, including committing to school day performances as needed and leading the choir classes in activities. Entrance auditions are held in early September and acceptance is based on tone quality and technique, performing skill, experience and musical aptitude. All members must also take Choir I or II or Adv. or Choir Experience.

Prerequisite: teacher approval

Music Fundamentals & Appreciation – Honors Gr. 9, 10, 11, 12 - 5 Credits (6334)

This course is designed for non-musicians and musicians alike who wish to acquire rudimentary skills in music and music literacy and is a prerequisite for more advanced electives in the Music Department. Students will explore fundamental music theory concepts including intervals, triads, and basic chords, in preparation for more advanced work in harmony as well as musical form from a written and aural perspective. In addition, we will also study various instruments and music from different cultures and time periods.

Vocal, Piano, and Guitar Solo & Ensemble - Honors Gr. 9, 10, 11, 12 – 5 Credits (6317)
This course is designed for students wishing to advance their skills, increase practice time, and gain independence and stage time as a soloist or member of a small ensemble. For singers, repertoire may include, musical theater and operetta solos and ensembles, jazz and Great American Songbook standards, Renaissance madrigals and classical repertoire. Students study reading music, music fundamentals, vocal production, diction, intonation, ensemble skills, poise, self-confidence and stage presence, as well as pertinent theatrical skills. Pianists and Guitarists will practice solo repertoire and collaborate with singers to learn new music and accompany vocal selections. Proficiency in voice, piano and/or guitar is required for this course. The culminating assessment includes a public recital performance.
Prerequisite: teacher approval

Introduction to Theater - Honors Gr. 9, 10, 11, 12 - 5 Credits (6327) QHS ONLY
This course is designed for students of varying ability levels who want to develop a better understanding of dramatic concepts and acting techniques. Students will read a variety of play genres and develop an awareness of the qualities of each. Basic acting skills will be taught through monologue and scene analysis, classroom exercises, and improvisation drills. Students will also develop their ability to control voice quality and stage movement. Skills will be applicable to public speaking. Course is open to all students regardless of grade level.

Theater Arts 1 - Honors Gr. 9, 10 – 2.5 Credits (6344) NQHS ONLY
This course is designed for students with various levels of theatrical knowledge and abilities who want to develop a better understanding of dramatic concepts and acting techniques. Students will explore a variety of play genres and develop an awareness of the qualities of each. Basic acting skills will be taught through monologue and scene analysis and performance, classroom exercises, and improvisation drills. Students will develop skills applicable to public speaking, such as control of voice quality and stage movement.

Theater Arts 2 - Honors Gr. 10, 11, 12 - 5 Credits (6345) NQHS ONLY
This course builds on the work completed in Theater Arts 1. Students will study works by the world's foremost playwrights and perform scenes and monologues written by each. This class is committed to ensuring that students become proficient in script analysis, blocking, direction and performance techniques. Students will have an advanced theatrical vocabulary, including dramatic terms, script scoring symbols, and stage concepts/directions. The course will also explore stagecraft and production techniques.

Theatre Experience - Honors Gr. 9, 10, 11, 12 - 5 Credits (6320) QHS ONLY
Theatre Experience introduces students the fascinating world of live theater. Students will learn the process of close examination of scripts ranging from classical Greek drama to current American musicals, along with major periods in between. This class will also allow students to look at shows through the eyes of theatrical designers, actors and directors in addition to providing a strong fundamental base of theatre history, management, design and performance.

Acting 1 - Honors Gr. 10, 11 - 5 Credits (6347) QHS ONLY
In this course, students will explore the craft of acting by developing their skills in improvisation, vocal interpretations that express a dramatic character. Actors will sharpen their skills by rehearsing presenting and peer evaluating, pantomimes, monologues and scenes.

Acting 2 - Honors Gr. 11, 12 - 5 Credits (6348) QHS ONLY
This course builds on the work completed in Acting 1. Students will study works by the world's foremost playwrights and perform scenes and monologues written by each. This class is committed to ensuring that students become proficient in script analysis, blocking, direction and performance techniques. Students will have an advanced theatrical vocabulary, including dramatic terms, script scoring symbols, and stage concepts/directions. The course will also explore stagecraft and production techniques.
Prerequisite: Acting 1 Honors

Stage Technology 1 - Honors Gr. 10, 11- 5 Credits (6330) QHS ONLY
This course is designed to give a basic understanding of safety principles, equipment, materials, and processes used in the technical aspects of launching a theatre production. Students will study scenic elements throughout history while learning modern practices through hands on training. Students will have the ability to participate on current school productions.

Stage Technology 2 - Honors ***Gr. 11, 12 - 5 Credit*** ***(6329) QHS ONLY***
Stagecraft and Design is designed to provide a basic education in the fundamentals of stage lighting, sound execution, set construction, scenic painting, costume and make-up techniques and basic theatrical stage production skills. This course offers technical theater students a comprehensive hands-on training program that combines these skills with the practical knowledge for execution. Students will have many opportunities to perform in support roles for school productions.

Digital Art - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(6281) NQHS ONLY***
This course provides an introduction to a variety of contemporary computer illustration techniques, image manipulation, vector art, and basic animation, allowing students to explore many areas of digitally generated art before dedicating a whole semester to one area of concentration. Using industry standard software (Adobe Illustrator, Photoshop and InDesign) and practices, students will utilize the creative process of draft, critique, self-assess, refine and exhibit. They will also describe and analyze their own work and the work of others with appropriate visual art vocabulary, with an emphasis on modern techniques, practices and aesthetics.

Digital Art - Honors ***Gr. 9, 10 - 2.5 Credits*** ***(6282) NQHS ONLY***
This course provides an introduction to a variety of contemporary computer illustration techniques, image manipulation, vector art, and basic animation, allowing students to explore many areas of digitally generated art before dedicating a whole semester to one area of concentration. Using industry standard software (Adobe Illustrator, Photoshop and InDesign) and practices, students will utilize the creative process of draft, critique, self-assess, refine and exhibit. They will also describe and analyze their own work and the work of others with appropriate visual art vocabulary, with an emphasis on modern techniques, practices and aesthetics.

Artwork by Brynn T., Grade 9, Quincy High School

CAREER AND TECHNICAL EDUCATION ELECTIVES

Career and Technical Education (CTE) electives prepare students for college, entry-level jobs, and everyday life as well. Students are provided with a wide selection of courses in grades 9 through 12. Programs are available to all students and cover a wide selection of interests. These courses support the Massachusetts Curriculum Frameworks in specific skill areas such as thinking and communicating in a workplace setting, acquiring and applying new knowledge, and contributing as a viable member of the general workforce. Additionally, the curricula of all CTE electives include a major focus on 21st century learning skills, which are essential in today's competitive job market.

Course Name	Grades	Level	Credits	Course #
EL Business 1	9, 10, 11, 12	CCP	2.5	5280**
EL Business 2	9, 10, 11, 12	CCP	2.5	5281**
Nutrition and Wellness	9, 10	CCP	2.5	**5197**
Nutrition and Wellness	9, 10	H	2.5	**5198**
Computer Applications	9, 10	CCP	2.5	**5011**
Computer Applications	9, 10	H	2.5	**5013**
Microsoft Word	9, 10, 11, 12	CCP	2.5	**5012**
Microsoft Office	9, 10, 11, 12	CCP	2.5	5014
Entrepreneurship	9, 10	CCP	2.5	5232
Entrepreneurship	9, 10	H	2.5	5233
Technology for the 21st Century	9, 10	CCP	2.5	5097
Technology for the 21st Century	9, 10	H	2.5	5098
Fundamentals of Film & Television Production	9, 10	CCP	2.5	**5502**
Fundamentals of Film & Television Production	9, 10	H	2.5	**5512**
Fundamentals of Graphics and Design	9, 10	CCP	2.5	**5621**
Fundamentals of Graphics and Design	9, 10	H	2.5	**5622**
Fundamentals of Carpentry	9, 10	CCP	2.5	**5501**
Fundamentals of Engineering	9, 10	CCP	2.5	**5500**
Fundamentals of Engineering	9, 10	H	2.5	**5503**
Robotics Introduction	9, 10, 11, 12	CCP	2.5	5331
Robotics Introduction	9, 10, 11, 12	H	2.5	5332
Film & Television Production Introduction	9, 10, 11, 12	CCP	5	**5303**
Film & Television Production Introduction	9, 10, 11, 12	H	5	**5333**
CAD/Blueprint Reading	9, 10, 11, 12	CCP	2.5	**5140**
Introduction to Engineering Design	9, 10, 11, 12	H	5	**5300**
Fashion Design Introduction	9, 10, 11, 12	CCP	5	**5352**
Business/Personal Law and Ethics	10, 11	CCP	5	**5052**
Business/Personal Law and Ethics	10, 11	H	5	**5053**
Computer Applications2: MS Office	10, 11, 12	H	5	**5193**
Marketing 1	10, 11, 12	CCP	2.5	5175
Marketing 1	10, 11, 12	H	2.5	5185
Marketing 2	10, 11, 12	CCP	2.5	**5176**
Marketing 2	10, 11, 12	H	2.5	**5186**
Advanced Word/PowerPoint	10, 11, 12	H	2.5	**5194**
Advanced Excel/Access	10, 11, 12	H	2.5	**5195**
Construction Skills Introduction	10, 11, 12	CCP	5	**5301**
Culinary Arts Introduction	10, 11, 12	CCP	5	**5302**
Design & Visual Communications Introduction	10, 11, 12	CCP	5	**5306**

Course Name	Grades	Level	Credits	Course #
HVAC/R Introduction	10,11,12	CCP	5	**5307**
Plumbing Introduction	10, 11, 12	CCP	5	5305
Welding Technology Introduction	10, 11, 12	CCP	5	5304
Accounting 1	10, 11, 12	CCP	5	**5102**
Accounting 1	10, 11, 12	H	5	5103
Management and Economics	10, 11, 12	H	5	**5173**
Student Leadership 1	10, 12	H	5	**5284**
Intro to Computer Science	10, 11, 12	H	5	**5298**
Computer Science Principles	11, 12	H	5	**5296**
AP Computer Science Principles	11, 12	A	5	**5297***
Personal Finance	11, 12	CCP	5	5152
Personal Finance	11, 12	CCP	5	9336*
Public Speaking	11, 12	CCP	2.5	5075
Public Speaking	11, 12	H	2.5	5076
Financial Literacy	11, 12	CCP	2.5	5087
Financial Literacy	11, 12	H	2.5	5088
Business Law	11, 12	CCP	2.5	**5022**
Business Law	11, 12	H	2.5	**5023**
International Business	11, 12	CCP	2.5	**5212**
International Business	11, 12	H	2.5	**5213**
Career Internship	11, 12	H	2.5	**5310**
Career Internship	11, 12	H	5	**5312**
Teacher Assistant	11, 12	CCP	2.5	**5314**
Accounting 2	11, 12	H	5	5113
Accounting 3	12	H	5	**5123**
Accounting 3	12	A	5	**5124***
Business & Management	12	CCP	5	**5222**
Business & Management	12	H	5	**5223**
Publishing Yearbook	12	H	5	**5309***
Student Leadership 2	12	H	5	**5285**

** Department chair/Assistant Principal approval required*
*** For students specifically approved for the English Language Learner program only*

EL Business 1 - CCP ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(5280**)***
This course is designed as an introduction to business for the EL student. The course will familiarize the students with the following basic communication modes of the American business world: interview, telephone, presentation and socialization skills. Students will also learn about personal money management

EL Business 2 - CCP ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(5281**)***
This course is a continuation of EL Business 1 with an emphasis on accounting, finance and the global market place. Students will be provided with opportunities for career exploration and assessment; allowing them to start developing skills necessary to compete in the 21st Century.

Nutrition and Wellness - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(5197) NQHS ONLY***
Nutrition and Wellness - Honors ***Gr. 9, 10 - 2.5 Credits*** ***(5198) NQHS ONLY***
This course is for students interested in the industries of childcare, wellness and nutrition. Curriculum will be hands on. Units of study include first aid, safety, cooking, nutrition, and OSHA. Students will learn to meet the challenges of daily life with confidence. The topics covered in this class will help the student develop a range of skills related to interpersonal and family relationships, healthy living, food preparation and nutrition, and community living. This course will prepare students for Health and Human Services in Grade 10 and Early Education and Care 1 in Grade 11.

Computer Applications - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(5011) NQHS ONLY***
Computer Applications - Honors ***Gr. 9, 10 - 2.5 Credits*** ***(5013) NQHS ONLY***
This course is designed to give students the ability to operate the computer keyboard by touch, as well as become familiar with the basics of document formatting through the use of Microsoft Word. The course emphasizes the computer keyboard as a tool for communication, skill building exercises, as well as a career-planning project.

Microsoft Word ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(5012) QHS ONLY***
This one semester course is designed to give students a solid foundation in keyboarding using Microsoft Word. Students will learn how to create and format college, personal, and business documents. Students will also be introduced to coding with hands-on instruction developing the essential skills needed to work with code, including problem solving and critical thinking skills. After taking this course, students will be more efficient and productive in today's competitive landscape.

Microsoft Office ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(5014)***
Students will further develop Microsoft Word skills at the intermediate level. Students will also learn Excel and PowerPoint. Excel and PowerPoint skills are essential for students whether they go on to college or pursue a career directly from high school.
Prerequisite: Microsoft Word

Entrepreneurship - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(5232)***
Entrepreneurship– Honors ***Gr. 9, 10 - 2.5 Credits*** ***(5233)***
This course will give students an opportunity to explore new business ideas and work through the process of molding innovative and new ideas into professional business proposals. Entrepreneurship walks students through the business plan writing process, guiding them through all aspects of starting a new business. Students will have an opportunity to write and present a professional business plan. Entrepreneurship emphasizes professionalism in business endeavors and sets a standard for creativity and drive in student achievement. *An Honors Project will be assigned to students enrolled at the Honors level.*

Technology for the 21st Century - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(5097)***
Technology for the 21st Century - Honors ***Gr. 9, 10 - 2.5 Credits*** ***(5098)***
Students will learn how to use the iPad for delivering differentiated curriculum to learners and allow teachers to expand learning beyond the classroom. Students will gain knowledge of the capabilities of the iPad to expand their knowledge and skills by thinking critically, analyzing information, communicating, problem solving, and making decisions using the latest technology in a classroom. Among the technologies explored will be social networking tools, creating online PDF files, Google Apps, video content, digital books, digital storytelling, and screencasts using current applications. *An Honors Project will be assigned to students enrolled at the Honors level.*
Prerequisite: Computer Apps 1 or Microsoft Word

Fundamentals of Film & Television Production - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(5502) NQHS ONLY***
Fundamentals of Film & Television Production - Honors ***Gr. 9, 10 – 2.5 Credits*** ***(5512) NQHS ONLY***
This course provides students with an introduction to filmmaking and television production. Skills developed include visual storytelling, scriptwriting, camera operation, sound recording and video editing. Competencies gained in this course will allow students to sequence into the Film & Television major to build the skills learned in this course.

Fundamentals of Carpentry - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(5501) NQHS ONLY***
This semester elective introduces students to skills required in the construction industry. Activities are based on realistic experiences performed by workers in industry. Course content includes project creativity, drafting design, blueprint reading, and math computations. It also includes the care and maintenance of shop tools and safety and building methods. Completion of this course will give the student an array of skills necessary for entry into construction related occupations (e.g. cabinetmaker, pattern maker, carpenter, industrial arts teacher, furniture maker, architect, electrician, plumber and HVAC etc.).

Fundamentals of Graphics and Design - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(5621) NQHS ONLY***
Fundamentals of Graphics and Design - Honors ***Gr. 9, 10 - 2.5 Credits*** ***(5622) NQHS ONLY***
This course introduces the student to basic design elements and properties. Students will study the principles of pixels, resolution, and pixel-based imagery and develop a working knowledge of Adobe Illustrator and Photoshop. Additional units include the study of historical and contemporary design and art. Assessments include projects, portfolios, and writing exercises.

Fundamentals of Engineering - CCP ***Gr. 9, 10 - 2.5 Credits*** ***(5500) NQHS ONLY***
Fundamentals of Engineering - Honors ***Gr. 9, 10 - 2.5 Credits*** ***(5503) NQHS ONLY***
This semester elective introduces the technical language of the designer, architect, and engineer. Basic paper and pencil drafting techniques will be developed and students will complete hands-on projects individually and in groups. Honors credits requires additional individual projects. This course will be of interest to students looking to explore the field of engineering and can also serve as an introduction to the Engineering pathway of courses.

Robotics Introduction - CCP ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(5331)***
Robotics Introduction - Honors ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(5332)***
In this course, students will explore the emergence, evolution, and future of robotics, including control systems and programming. While enrolled in the course students will be highly encouraged to participate in the QPS FIRST robotics club, as it will have a major impact on course curricula.

Film & Television Production Intro - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(5303) QHS ONLY***
Film & Television Production Intro - Honors ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(5333) QHS ONLY***
This course provides students with an introduction to filmmaking and television production. Skills developed include visual storytelling, scriptwriting, camera operation, sound recording and video editing. Competencies gained in this course will allow students to sequence into the Film & Television major to build the skills learned in this course. *Honors level students are required to complete an assigned project outside of the classroom.*

Computer Drafting/Blueprint Reading - CCP ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(5140) QHS ONLY***
In this semester, course students will learn valuable skills in technical sketching, computer drafting, blueprint reading, and estimating.

Fashion Design Introduction - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(5352) QHS ONLY***
This course provides students with the skills and knowledge to construct basic garments and gives them a basic understanding of fashion design, a background in fashion history for referencing contemporary fashion, and an overall view of careers in the fashion industry.

Business/Personal Law and Ethics - CCP ***Gr. 10, 11 - 5 Credits*** ***(5052) NQHS ONLY***
Business/Personal Law and Ethics - Honors ***Gr. 10, 11 - 5 Credits*** ***(5053) NQHS ONLY***
This course is designed to familiarize students with the law as it relates to business practices. It also examines how the law influences relationships in business and the world. Topics covered include, but are not limited to, ethics, the court system, contract law, and business operations. Students participate actively in learning fundamental principles, analyzing case studies, participating in a mock trial and completing a team project. Computers will be utilized for research and preparation of materials for presentations. This course provides a solid foundation for those students planning to pursue a program of study in business at the college level. *Honors students are required to do an additional research paper.*

Computer Applications 2: MS Office - Honors Gr. 10, 11, 12 - 5 Credits (5193) NQHS ONLY
In today's world, knowledge of Microsoft Office applications is necessary. Whether you are building a resume, designing a flyer, managing a budget or building a database, a level of comfort and usability are crucial when it comes to this software suite. During the first semester, you will be introduced to Microsoft Word, Publisher and PowerPoint applications. During the second semester, you will be introduced to Microsoft Excel and will learn the basics of developing budget spreadsheets and the fundamentals of Microsoft Access, a database program. You will demonstrate the use of these software applications in real world situations that are both college and career focused as you develop and expand your skill set throughout the year.
Prerequisite: Computer Applications 1

Marketing 1 - CCP Gr. 10, 11, 12 - 2.5 Credits (5175)
Marketing 1 - Honors Gr. 10, 11, 12 - 2.5 Credits (5185)
This course introduces students to marketing concepts, principles and strategies using real examples from sports and entertainment. Students will learn the theory and concepts of marketing while utilizing case studies to apply learning through historical events. Student exploration will include but not be limited to economics, human relations, information management, product management, market segmentation, risk management, business ethics, finance, psychographics, recruiting, market research and product strategy. Students will create strategies, plan events and solve problems in the area of sports and entertainment marketing. *Honors students are required to do an additional research paper or project.*

Marketing 2 - CCP Gr. 10, 11, 12 - 2.5 Credits (5176) QHS ONLY
Marketing 2 - Honors Gr. 10, 11, 12 - 2.5 Credits (5186) QHS ONLY
This course explores marketing concepts, principles and strategies using real examples from sports and entertainment. Students will learn the theory and concepts of marketing while utilizing case studies to apply learning through historical events. Curriculum areas include but are not be limited to promotion, advertising, pricing, product mix, supply and demand, publicity, sales, sponsorship, endorsements, agents, contracts, ethics and career planning. Students will create strategies, plan events and solve problems in the area of sports and entertainment marketing. *Honors students are required to do an additional research paper or project.*

Advanced Word/PowerPoint Gr. 10, 11, 12 - 2.5 Credits (5194) QHS ONLY
This honors course is designed to teach the experienced user how to use the many advanced features of MS Word to create a wide variety of documents and publications. In this course, you will also learn to use templates, desktop publishing, mail merge, preparing research papers and resumes. In the PowerPoint section, students will prepare presentations using embedded video, pictures, sounds, special effects transitions and charts.
Prerequisite: Microsoft Word

Advanced Excel/Access Gr. 10, 11, 12 - 2.5 Credits (5195) QHS ONLY
In this honors course students will learn how to use Microsoft Excel as an effective tool for organizing, analyzing, and presenting data. Students will learn how to edit cells, construct tables and charts and apply mathematical functions to a spreadsheet. In addition to Microsoft Excel, students will learn to navigate Microsoft Access databases. Students will create tables, modify the design of tables and add records to a database. Students will also create forms, queries and reports.
Prerequisite: Microsoft Word

Culinary Arts Introduction — CCP Gr. 10, 11, 12 - 5 Credits (5302) QHS ONLY
This course provides students with an introduction to skills used in the kitchen to prep food for the student-run restaurant, catering and baking. Students are introduced to and taught how to use kitchen equipment safely. They also gain an understanding of proper sanitation. Students learn the basic methods of preparing meats, poultry, vegetables and fish. Students will become familiar with basic measurements and reading/following recipes for breads, cookies, cakes, etc. Basic decorating skills are also introduced in baking. Mandatory uniform is required.

Design & Visual Communications Introductions - CCP Gr. 10, 11, 12 - 5 Credits (5306) QHS ONLY
This course provides students with entry-level skills essential in the graphic and visual design field. Safety, math and measuring, basic layout, design principles, typography, page layout and various Adobe software are introduced. Organizational skills and production practices are studied. Competencies gained in this course may allow students to sequence into a Graphic and Visual Design major where skills will be built on this foundation.

Construction Skills Introduction - CCP Gr. 10, 11, 12 - 5 Credits (5301) QHS ONLY
The course looks at current trends in the construction industry starting with both construction site and shop safety. The proper use of Personal Protection Equipment (PPE) will be addressed along with basic OSHA requirements. Career opportunities within the construction industry will be explored from both the commercial and residential environments. The students will be introduced to blue print readings and will learn to recognize symbols and abbreviations from Carpentry, Electrical, Plumbing /HVAC, Masonry and Engineered Site Utilities. Basic and advanced math skills will be introduced as they specifically relate to the construction industry in an applied practical way. The students will explore, select and build a model of an approved design and support the model with references from the International Residential Code (IRC) and the International Building Code (IBC). A Bill of Materials and a timeline for completion as used within the standard Construction Management System of Quality Work, Quality Materials, and Delivered on Time with safety being the priority, will be applied.

Plumbing Introduction - CCP Gr. 10, 11, 12 - 5 Credits (5305) QHS ONLY
This course explores the plumbing industry as a career pathway. Students will be introduced to basic principles of plumbing technology. Worker safety will be established applying OSHA standards. With prior instruction and direct supervision, students will operate tools to construct various beginner shop projects. Included in the planned projects; students will operate hand and basic power tools used to join various piping materials, valves and fixtures. Students will be introduced to residential blueprint reading and learn to recognize symbols and abbreviations from carpentry, electrical, plumbing / HVAC, masonry and engineered site utilities. Basic plumbing related math skills will be familiarized and developed for better understanding. Students will acquire an understanding of work readiness skills.

HVAC/R Introduction - CCP Gr. 10, 11, 12 - 5 Credits (5307) QHS ONLY
This is an introductory course in heating, ventilation, air conditioning (HVAC) technology. Topics will include heat transfer, refrigerant properties, the vapor compression refrigeration cycle, service and piping techniques, EPA refrigerant handling regulations, dehydration and charging of systems, control components, basic residential control wiring.

Welding Technology Intro - CCP Gr. 10, 11, 12 - 5 Credits (5304) QHS ONLY
This course provides students with an introduction to the standards of the American Welding Society, including safety, measuring devices, machinery, hand-tool usage, shielded and gas metal arc welding, and other aspects of the industry. This elective is recommended for Construction, Engineering and Automotive majors. Competencies gained in this course may allow students to sequence into a welding major where skills will be built on this foundation.

Accounting 1 - CCP Gr. 10, 11, 12 - 5 Credits (5102) NQHS ONLY
This hands-on course is designed to introduce the students to the basic concepts of the accounting cycle, with room for expansion. Curriculum covers keeping records for a service business as a sole proprietorship and a retail partnership business. Each business is presented in an accounting cycle, acquainting the students with analyzing transactions, journalizing, posting, petty cash, payroll, financial statements, and adjusting/closing entries. This course aims to enable the student to apply what they learn either in college, on the job, or in his/her personal life.

Accounting 1 - Honors Gr. 10, 11, 12 - 5 Credits (5103)
This course introduces the financial foundation for any career of your choice. It is an introduction to the principles, concepts, and procedures of beginning accounting for a service business or corporation. Students will be introduced to automated accounting software. Accounting is an essential course for those students contemplating majoring in any business major in college.
This course is available for optional Dual Enrollment credit, please see page 18.

Management and Economics - Honors Gr. 10, 11, 12 - 5 Credits (5173) QHS ONLY
Entry into today's workforce is greatly impacted by political, social and economic events that take place inside the US and throughout the world. This course introduces students to the concepts and skills required for success in today's global marketplace. Topics include supply and demand, national economy, government regulation, business ethics and the international economy. This course also provides an understanding of management functions such as strategic planning, organizational behavior, leadership and goal accomplishment. This course focuses on problem solving, teamwork, decision making, conflict resolution and ethical conduct.

Intro to Computer Science - Honors Gr. 10, 11, 12 - 5 Credits (5298) NQHS ONLY
This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The course explores concepts including arrays, building applications, loops, encryption, data visualization, function parameters, algorithms, networks, programming languages.

Computer Science Principles - Honors Gr. 11, 12 - 5 Credits (5296) NQHS ONLY
In this course students will develop important knowledge and skills in computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.
Prerequisite: Intro to Computer Science

AP Computer Science Principles – Advanced Gr. 11, 12 - 5 Credits (5297*) NQHS ONLY
Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing. To receive advanced credit, students are required to take the AP exam at the end of the course.
Prerequisite: Intro to Computer Science
****Department Chair approval***

Student Leadership 1 - Honors Gr. 10, 12 - 5 Credits (5284) QHS ONLY
This course provides an opportunity for students in grades 10 or 12 to develop fundamental leadership skills through mentoring incoming freshman. In small and large group settings, student leaders learn and teach skills in the areas of communication, problem solving, diversity, teamwork and trust. Incoming leaders develop interpersonal skills in the areas of planning, time management, public speaking curriculum delivery and assessment. Leadership is designed for students willing to challenge themselves and build personal skills in and out of the classroom. Offsite field trips may be scheduled throughout the year.

Personal Finance - CCP ***Gr. 11, 12 - 5 Credits*** ***(5152)***
Personal Finance - CCP ***Gr. 11, 12 - 5 Credits*** ***(9336*)***
In this course, students will develop and demonstrate an understanding of the fundamentals of life skills math. The goal of this course is to assist students to become financially responsible, conscientious members of society. This course develops students' understanding and skills in such areas as money management, budgeting, financial goal attainment, the wise use of credit, insurance, investments and consumer rights and responsibilities.
Prerequisite: teacher approval (9336)

Public Speaking – CCP ***Gr. 11, 12 - 2.5 Credits*** ***(5075)***
Public Speaking - Honors ***Gr. 11, 12 - 2.5 Credits*** ***(5076)***
Students will practice and deliver speeches and presentations in a safe environment with personalized feedback. Students will learn to speak publicly in a convincing, confident and concise style. Effective public speaking skills will be identified and applied such as methods to create materials, keep the audience focused, design interactive questions and improve effective listening skills. Students will further sharpen their skills by preparing and rehearsing their speeches.
This course is available for optional Dual Enrollment credit, please see page 18.

Financial Literacy - CCP ***Gr. 11, 12 - 2.5 Credits*** ***(5087)***
Financial Literacy - Honors ***Gr. 11, 12 - 2.5 Credits*** ***(5088)***
This half-year course introduces students to the world of money management and finance. Students will learn how to manage their money by gaining knowledge about their financial options and responsibilities. Topics included in this course consist of budgeting, saving, balancing a checkbook, consumer credit, the finances of housing, and investing. It is highly recommended that students complete this course before graduating.

Business Law - CCP ***Gr. 11, 12 - 2.5 Credits*** ***(5022) QHS ONLY***
Business Law - Honors ***Gr. 11, 12 - 2.5 Credits*** ***(5023) QHS ONLY***
Explore the foundations of business and personal law topics that affect our everyday lives. Topics include contracts, criminal law, consumer protection, wills and estates, marriage and divorce, property law, agency, employment contracts, unions, commercial paper, and credit obligations. *Honors credit requires an additional research paper or project.*

International Business - CCP ***Gr. 11, 12 - 2.5 Credits*** ***(5212) QHS ONLY***
International Business - Honors ***Gr. 11, 12 - 2.5 Credits*** ***(5213) QHS ONLY***
This course examines business management and administration in a global economy. Topics covered in this course will include the principles and processes of export sales, trade controls, foreign operations and related problems, monetary issues, international business policy and applications of doing business in specific countries and markets. Case studies will encourage students to evaluate and discuss courses of action taken by companies and industries in the global marketplace. *Honors credit requires an additional research paper or project.*

Career Internship - CCP ***Gr. 11, 12 - 2.5 Credits*** ***(5310) QHS ONLY***
Career Internship - CCP ***Gr. 11, 12 - 5 Credits*** ***(5312) QHS ONLY***
School to Career Internship is available to juniors and seniors. The work experiences are designed for each student or class by the recommending teacher. The work experiences will vary in length depending on the needs of the students and/or the class.

Teacher Assistant - CCP ***Gr. 11, 12 - 2.5 Credits*** ***(5314*) NQHS ONLY***
Enrolled students are assigned to an office or academic department chair. Students assume responsibilities for office activities as determined by the cooperating staff member. Students must be taking six academic classes and remain in good academic standing in all of them.
Prerequisite: Approval of the Assistant Principal

Accounting 2 - Honors ***Gr. 11, 12 - 5 Credits*** ***(5113)***

Accounting 2 expands on the principle functions and procedures introduced in Accounting 1. Advanced applications and decision-making based on financial reports are emphasized in this course. Automated accounting software will be used to enhance the curriculum. Accounting is an essential course for those students contemplating majoring in any business major in college.

This course is available for optional Dual Enrollment credit, please see page 18.

Prerequisite: Minimum grade of 80 in Accounting I or approval of Department Chair

Accounting 3 - Honors ***Gr. 12 - 5 Credits*** ***(5123) QHS ONLY***

Accounting 3 - Advanced ***Gr. 12 - 5 Credits*** ***(5124*) QHS ONLY***

This class is designed to prepare students interested in studying business or accounting in college with a solid background in both financial and managerial accounting. Students will gain an understanding of how accounting as a process provides information about a business to internal and external stakeholders. Advanced level students are required to test through Kansas State University and could receive college credit for this course.

Prerequisite: Minimum grade of 80 in Accounting II or approval of Department Chair

Business and Management - CCP ***Gr. 12 - 5 Credits*** ***(5222) NQHS ONLY***

Business and Management - Honors ***Gr. 12 - 5 Credits*** ***(5223) NQHS ONLY***

This course is builds on the concepts learned in Marketing with more specific application to event planning, sports and entertainment management, and retail. This course also provides an understanding of management functions such as strategic planning, promotion, organizational behavior, leadership and goal accomplishment. Emphasis in course work and projects is on problem solving, teamwork, decision making, conflict resolution and ethical conduct. *Honors students are required to do a capstone project for honors credit.*

Prerequisite: Marketing

Publishing Yearbook - Honors ***Gr. 12 - 5 Credits*** ***(5309*) QHS ONLY***

Students will be introduced to all aspects of the printing industry including marketing, design, desktop publishing, scanning, prepress, page layout, photography and offset printing. Organizational skills and production practices will be performed. Students will create the yearbook, cover-to-cover, with the assistance of the advisor.

Prerequisite: Department Chair approval

Student Leadership 2 - Honors ***Gr. 12 - 5 Credits*** ***(5285*) QHS ONLY***

Building on Student Leadership 1, this course develops students' existing leadership skills by extending their responsibilities in the classroom setting. Leadership 2 students are expected to continue their work with the freshman class by maintaining acquired skills in the areas of communication, problem solving, diversity, teamwork, and trust. They will also be required to mentor and train newer leaders entering the class in Student Leadership 1. Offsite field trips may be scheduled throughout the year.

Prerequisite: Student Leadership 1; Department Chair approval

Interdisciplinary Electives

Course No.	Course Name	Grades	Level	Credits

Course Name	Grades	Level	Credits	Course #
Academic Decathlon	9, 10, 11, 12	H	2.5	**1080**

Academic Decathlon - Honors ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(1080) QHS ONLY***
Participants in this course prepare for local team competition in the prestigious and challenging United States Academic Decathlon. This premier national high school academic competition features ten events focused on an annual theme. The ten events are Language and Literature, Mathematics, Science, Social Studies, Economics, Music, Art, Essay Composition, Public Speaking, and Interview. This course is recommended for students at all levels who want to prove that they can learn about one particular historical era in great depth and improve upon the study skills necessary to succeed in a highly competitive college.

PHYSICAL EDUCATION

All students in Grades 9 through 12 are required to take physical education.

Course Name	Grades	Level	Credits	Course #
Physical Education	9, 10, 11, 12	CCP	1	9200

Physical Education - CCP ***Gr. 9, 10, 11, 12 - 1 Credit*** ***(9200)***
A professionally designed and regularly administered Physical Education curriculum provides an important dimension to secondary education. Through participation in physical education, students have the opportunity to grow in positive ways in terms of their physical health, social skills, self-esteem, and moral reasoning. The instructional program includes wellness/fitness activities in the fitness center, team and dual sports. Emphasis will be placed on skill development, rules of play, play strategy, and warm-up and training techniques.

Artwork by Samantha L., Grade 12, Quincy High School

SPECIAL PROGRAMS

SPECIAL EDUCATION

There is a variety of additional courses designed for students who have prescribed programs according to their Individual Education Plans (IEPs). Entry and specific course content are determined by the objectives of the IEPs written by the Chapter 766 Evaluation Team. These courses constitute a comprehensive program for special education students; certain programs are available at each high school.

INCLUSION CLASSES

Some students with IEPs may be scheduled for inclusion classes at both high schools. These classes are general education classes available to the entire school population. Each class consists of a general education teacher and a member of the special education staff. Core academic areas have inclusion classes; for course descriptions of inclusion classes, please see the equivalent course descriptions for general education courses in English, Math, Science and Social Studies.

Supplemental inclusion support at both high schools:

Course Name	Grades	Level	Credits	Course #
Strategies for English Language Arts 9	9	CCP	2.5	9340
Strategies for English Language Arts 10	10	CCP	2.5	9350
Strategies for Learning Math 9	9	CCP	2.5	9341
Strategies for Learning Math 10	10	CCP	2.5	9351
Strategies for English Language Arts	9, 10, 11, 12	CCP	5	9490
Strategies for Learning Math	9, 10, 11, 12	CCP	5	9491
Strategies for Learning 9/10	9, 10	CCP	2.5	9316
Strategies for Learning 9/10	9, 10	CCP	5.0	9317
Strategies for Learning 11/12	11, 12	CCP	2.5	9318
Strategies for Learning 11/12	11, 12	CCP	5.0	9319

Strategies for ELA 9- CCP ***Gr. 9 - 2.5 Credits*** ***(9340)***
Strategies for ELA 10 - CCP ***Gr. 10 - 2.5 Credits*** ***(9350)***
Strategies for ELA - CCP ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(9470)***
Strategies for ELA - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(9490)***

This course is designed for students with a documented learning disability who need review and reinforcement of English reading and writing skills, in order to support success in all general education classes. Instructional interventions and compensatory strategies will be the focus along with the re-teaching of specific skill areas designed to achieve individual student IEP goals and benchmarks.

Strategies for Math 9 - CCP ***Gr. 9 - 2.5 Credits*** ***(9341)***
Strategies for Math10 - CCP ***Gr. 10 - 2.5 Credits*** ***(9351)***
Strategies for Math - CCP ***Gr. 9, 10, 11, 12 - 2.5 Credits*** ***(9471)***
Strategies for Math - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(9491)***

This course is designed for the student experiencing significant difficulties in the math sequence. Basic math skills will be stressed and reinforced. Instructional interventions and compensatory strategies will be the focus along with the re-teaching of specific skill areas designed to achieve individual student IEP goals and benchmarks. The recommended sequence of courses is Algebra I in grade 9 followed by Geometry in grade 10.

Strategies for Learning 9/10	***Gr. 9, 10 - 2.5 Credits***	***(9316)***
Strategies for Learning 9/10	***Gr. 9, 10 – 5.0 Credits***	***(9317)***
Strategies for Learning 11/12	***Gr. 9, 10 - 2.5 Credits***	***(9318)***
Strategies for Learning 11/12	***Gr. 9, 10 – 5.0 Credits***	***(9319)***

This course is designed for those students who require instructional support in a small group setting. Students will develop organizational and time management skills that will equip them with the necessary tools to successfully meet the demands of the general curriculum. Specific study skills strategies, pre-teaching, test-prep, and assistance in completion of short and long-term assignment will be emphasized. An assignment notebook system will be employed and will be a requirement of all students. Specific IEP goals will be addressed.

SPECIAL EDUCATION CLASSES

Special Education classes are instructed by certified Special Education teachers and follow the same core curriculum for English, Math, Science and Social Studies. The pace and rigor of the courses are more appropriate to the students' individual needs identified in their IEPs. For course descriptions, please see the equivalent course descriptions for general education courses in English, Math, Science and Social Studies.

LEARNING CENTER (LC), CHILDREN ACHIEVE REAL SUCCESS (CARES) PROGRAM, and LEARN. EXPLORE. ACHIEVE. PLAN. (LEAP) PROGRAM
NQHS ONLY

The LC/CARES program is a substantially separate educational program, designed to meet the needs of students with a variety of disabilities. Students enrolled in this program, as prescribed by their Individualized Education Programs (IEPs), have the option of remaining until the day before their 22nd birthday. Students in the LC/CARES program dedicate their first three years of study to completing assigned work based on entry-level points of the Massachusetts Curriculum Framework in order to prepare an MCAS alternative portfolio for submission. Program electives for grades 9-11 include Creative Arts, Adaptive Living (cooking/ hygiene/safety) and Introduction to Work. The fourth year of the program is dedicated to completing all coursework required to meet the criteria for receiving a Certificate of Attainment. The fourth year is also when the program begins to shift focus toward more intensive vocational and transitional opportunities. The remaining years include active employment in working situations both in and outside of school while students continue to be educated in both English and Math with the intent of reinforcing "real life" applications. The LEAP (Learn. Explore. Achieve. Plan.) Program is the post graduate LC/ CARES transition program, for students 18-22 years of age, which will emphasize community based instruction and community work experience with a focus on the development of the following skills: self-determination/self-advocacy, social skills, independent living, and job readiness skills.

Course Name	Grades	Level	Credits	Course #
Integrated ELA A	9, 10	CCP	5	9534
Integrated ELA B	11, 12	CCP	5	9535
Integrated ELA C	12	CCP	5	9536
Integrated Math A	9, 10	CCP	5	9402
Integrated Math B	11, 12	CCP	5	9404
Integrated Math C	12	CCP	5	9406
Integrated Science A	9, 10	CCP	5	9544

Integrated Science B	10, 11	CCP	5	9545
Integrated Social Studies A	9, 10	CCP	5	9463
Integrated Social Studies B	11, 12	CCP	5	9464
Developmental Reading	9, 10, 11, 12	CCP	5	9410
Creative Arts A	9, 10	CCP	5	9401
Creative Arts B	11, 12	CCP	5	9403
Introduction to Work	9, 10	CCP	5	9420
Vocational Training A	9, 10	CCP	5	9421
Vocational Training B	11, 12	CCP	5	9431
LEAP Transitional Training	12, SP	CCP	5	9482
Daily Living	9, 10, 11, 12	CCP	5	9555

Integrated English/Language Arts - CCP Gr. 9, 10 - 5 Credits (9534)
This is a course designed to build reading and writing skills of all students. This course involves being exposed to a variety of genres of literature. Students will read both fiction and non-fiction texts. Students will recognize elements of fiction and answer comprehension questions. Students build weekly vocabulary that is connected to the various texts and short stories. In the area of writing, the students learn about sentence structure; review grammar, capitals, and end punctuation; write supporting sentences when given a topic sentence; and complete journal entries on various topics. Skills learned in this class will be utilized across the curriculum.

Integrated Math A - CCP Gr. 9, 10 - 5 Credits (9402)
This is a course designed for 9th and 10th grade students who are eligible for the MCAS alternative assessment. In their 10th grade year, students will complete an MCAS Alternative Assessment Portfolio. Students will complete assigned work based on entry-level points of the Massachusetts Curriculum Frameworks. Focus will be in the following conceptual categories: Numbers and Quantity, Statistics and Probability, Mathematic Functions, Algebra, and Geometry. Students will work directly with the instructor and paraprofessional in order to execute all tasks with increased accuracy and maximum independence.

Integrated Math B - CCP Gr. 11, 12 - 5 Credits (9404)
This is a course designed to teach 11th and 12th grade students how to use mathematics in 'Real World' applications. Students will participate in content area math lessons focusing on: personal finance, purchasing, time management, functional academic job skills and independent living. Students will work towards maximum independence with support from instructional staff.

Integrated Science A - CCP Gr. 9, 10 - 5 Credits (9544)
This is a course designed for 9th and 10th grade students in the substantially separate special needs Learning Center. In this course, students will learn various science concepts, at entry or access point levels, from the Massachusetts Curriculum Frameworks, throughout the year. Science units relate to earth and space science, biology, physics, chemistry, technology and engineering. Students will work directly with the instructor and paraprofessional in order to execute all tasks with increased accuracy and maximum independence.

Integrated Science B - CCP Gr. 10, 11 - 5 Credits (9545)
This is a course designed for 10th and 11th grade students in the substantially separate special needs Learning Center. In this course, students will learn various science concepts, at entry or access point levels, from the Massachusetts Curriculum Frameworks, throughout the years. Science units relate to earth and space science, biology, physics, chemistry, technology and engineering. Some concepts will be taught more in depth, such as Biology. During the 10th grade year, an MCAS Alternative Assessment Portfolio will be constructed for the students as required by the state.

Integrated Social Studies– CCP Gr. 9, 10, 11, 12 - 5 Credits (9463)
This course scaffolds skills over the four-year academic period within the SNLC/CARES program. All curricula will be presented at entry levels based on the Massachusetts Curriculum Frameworks/ Common Core constraints and standards. Content will be based on the following units and themes: Quincy Community, History and Geography, Civics and Government, General Economic Skills and U.S. Economic Skills.

Developmental Reading - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(9410)***
This is a language-based course emphasizing direct teaching of word analysis in terms of word structure and phonetics. The program emphasizes decoding and spelling skills. Reading comprehension will be addressed through visualization and listening strategies. This course is appropriate for students who have not internalized the sound and syllable system for reading and spelling.

Creative Arts - CCP ***Gr. 9, 10 - 5 Credits*** ***(9401)***
This course is designed to expose students to a non-academic elective, focusing on both the Visual and Performing Arts disciplines. Students will create visual projects in the areas of: drawing, painting, photography, textiles, collage, assemblage, mixed-media, sculpture, craft and construction. Students will participate in both drama and music activities within the classroom setting.

Introduction to Work - CCP ***Gr. 9, 10, 11, 12- 5 Credits*** ***(9420)***
This is a course designed for the 1st & 2nd year Learning Center student. Students will develop solid work habits through an assortment of introductory vocational opportunities. Introduction to work students will explore various jobs in their school through observation, volunteer work, interviews and research. Through role-playing students will develop a better understanding of good work habits, proper job site behavior and communication skills.

Vocational Training 1 - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(9421)***
Vocational Training I is available to all grades within the substantially separate Learning Center. This course works in conjunction with, or as an extension of, work skills presented in the Introduction to Work class. The majority of instruction takes place in the School Store. In this setting, students can begin to apply what they have learned by completing hands-on activities. Class participants will be completing the set-up and maintenance of this small retail business. Emphasis will be applied to following recipes, preparing and selling lunch, utilizing the cash register, ensuring customer service, cleaning a work station, and operating laundry. Students will work directly with the instructor and the support staff to actualize increased accuracy and maximum independence. TEAM concept will also be stressed, as students will be functioning as a group, with business internship students, in a cooperative learning environment.

Vocational Training 2- CCP ***Gr. 11, 12 - 5 Credits*** ***(9431)***
Vocational Training II is available to grades 11 and 12 within the substantially separate Learning Center. This course serves as an extension of work skills presented in the Vocational Training I class. The majority of instruction takes place in the School Store. In this setting, students can begin to master what they have learned previously by engaging in familiar job tasks with increasing accuracy and independence. Class participants will be completing the set-up and maintenance of this small retail business. Students will initially work directly with the instructor and the support staff; however, with fading support they will work toward mastery of learned vocational skills. TEAM concept will also be stressed, as students will be functioning as a group, with business internship students, in a cooperative learning environment.

LEAP Transitional Training - CCP ***Gr. 12, SP - 5 Credits*** ***(9482)***
This is a course designed to provide an opportunity for students transitioning into employment within the community. The expectation is that the students will utilize in-school job training and apply it to a real life job situation. Students will work towards independence and responsibility with minimal supervision. Students will be exposed to various work opportunities within the community and other outside placements as they become available. Students will work directly with an on-site supervisor, job coach and paraprofessional.

Daily Living - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(9555)***
This SNLC/CARES course is designed to introduce students to real life skills needed for everyday living. Topics may include proper hygiene, communication/social skills, household chores, nutrition, travel training, food preparation, and community awareness. Students participate in life skills activities through observation, hands-on learning, and role-playing. The purpose of this class is to facilitate maximum independence and safety awareness, as students prepare for transitioning into their future living situations.

POSITIVE ACADEMIC AND SOCIAL SUCCESS (PASS) PROGRAM
NQHS ONLY

The PASS Program is a substantially separate program at North Quincy High School for any QPS student in grades 9-12 with average to high average cognition who has been diagnosed with various psychiatric/mood disorders. Students have the opportunity to take classes within the program and can also access education in the mainstream. Students learn about their disability, develop strategies to manage their disability and learn to minimize any negative impact it has on their education and in their daily lives.

The PASS Program core academic courses follow the same core curriculum for English, Math, Science and Social Studies as the general education courses. The pace and rigor of the courses are more appropriate to the students' individual needs identified in their IEPs. For course descriptions, please see the equivalent course descriptions for general education courses in English, Math, Science and Social Studies.

Additionally, The PASS Program offers unique courses that are appropriate and relevant to program participants' needs. The course descriptions for these courses are shown below.

Course Name	Grades	Level	Credits	Course #
ELA/Math Strategies	9, 10, 11, 12	CCP	5	PS9499

ELA/Math Strategies - CCP ***Gr. 9, 10, 11, 12 - 5 Credits*** ***(PS9499)***

This course is designed for students with a documented learning disability who need review and reinforcement of English reading and writing skills and/or math skills. Instructional interventions and compensatory strategies will be the focus along with the re-teaching of specific skill areas designed to achieve individual student IEP goals and benchmarks.

Artwork by Kaitlyn P., Grade 10, Quincy High School

PERSONALIZED ACADEMIC AND CAREER EXPLORATION (PACE) PROGRAM
QHS ONLY

The Personalized Academic and Career Exploration (PACE) Program is a substantially separate special education program for students with language based learning disabilities. The goal of the program is to provide academic and vocational instruction to students within a small, supportive environment. Specially designed instruction is provided within a resource room setting where teaching strategies may include frequent repetition, hands-on activities, experiential learning, and the breakdown of skills into manageable components. Students in the PACE Program are academically challenged to achieve to their highest potential. Additionally, they are given the opportunity to explore a variety of vocational options before selecting one upon which to focus skills development. PACE is a two-year program (typically grades 9 and 10) which prepares students to enter regular education or resource room supported classes as juniors and seniors. The long-range objective of the program is to assist in the development of socially competent young adults who are skillful within academic and work environments.

The PACE Program core academic courses follow the same core curriculum for English, Math, Science and Social Studies as the general education courses. The pace and rigor of the courses are more appropriate to the students' individual needs identified in their IEPs. For course descriptions, please see the equivalent course descriptions for general education courses in English, Math, Science and Social Studies.

Additionally, The PACE Program offers unique courses that are appropriate and relevant to program participants' needs. The course descriptions for these courses are shown below.

Course Name	Grades	Level	Credits	Course #
Reading 1	9	CCP	5	PC9672
Reading 2	10	CCP	5	PC9673
Life Skills	9	CCP	5	PC9695

Reading 1 - CCP ***Gr. 9 - 5 Credits*** ***(PC9672)***
Students will increase reading readiness skills in the areas of phonemics to decoding and encoding skills, focusing on phonetic associations and reading (blending) skills daily.

Reading 2 - CCP ***Gr. 10 - 5 Credits*** ***(PC9673)***
Students will increase reading readiness skills in the areas of syllabication comprehension, focusing on the spelling patterns of monosyllables, and polysyllables, and reading comprehension.

Life Skills - CC P ***Gr. 9 - 5 Credits*** ***(PC9695)***
The Life Skills curriculum blends academic, daily living, personal/social, and occupational skills into integrated lessons designed to help students learn to function independently in society. Topics presented and addressed in Life Skills include Personal Needs and Care, Social Skills and Relationships, Managing Personal Finances, Looking for Employment, Selecting and Managing a Household, Consumerism, and Safety Awareness. Multiple resources and learning activities will be employed to address student concerns regarding decision making skills while working toward achieving their independence.

ALTERNATIVE AND CREDIT RECOVERY PROGRAMS

Quincy Public Schools offers alternative and credit recovery programs for high school students who need a non-traditional setting to complete their high school education and earn a diploma. Each program has specific requirements and expectations that fit the profile of the students enrolled. The curriculum for all core academic courses (English, Math, Science and Social Studies) in our Alternative Programs is the same as the curriculum for core academic courses at our two high schools. For course descriptions, please see the listings for equivalent course names in English, Math, Science and Social Studies presented earlier in this Program of Studies. Students in alternative programs are required to meet the graduation requirements of the Quincy Public Schools and acquire 100 credits to earn a Quincy Public Schools diploma.

Additionally, these programs may offer unique courses that are appropriate and relevant to program participants' needs. The course descriptions for these courses are shown below each program description.

GOALS PROGRAM

It is the mission of the **GOALS Program** to offer at-risk students a stable learning environment, conducive to addressing the issues affecting their academic and personal lives. This is accomplished by recognizing, modifying, and equipping certain behaviors, which have impeded students' scholastic and personal growth. Strong academic instruction, as well as a comprehensive, therapeutic component prepares students for reintegration into the "regular setting" and transition to responsible, productive adulthood.

It is the aim of the GOALS Program to challenge each individual student to function at his/her own highest level, academically and socially. Small, highly structured classrooms allow the staff to invest the necessary time with each student so that they receive the requisite support and structure needed for them to succeed and grow as a student and person.

As mentioned, course descriptions for core academic courses are found in the Program of Studies listings for equivalent course names in English, Math, Science and Social Studies. Course descriptions for unique courses to the GOALS Program are shown below.

Courses Unique to GOALS

Course Name	Grades	Level	Credits	Course #
Work-Based Learning	12	CCP	5	G9010
Work-Based Learning	12	CCP	2.5	G9011

Work-Based Learning - CCP ***Gr. 12 - 5 Credits*** ***(G9010)***
Work-Based Learning - CCP ***Gr. 12 - 2.5 Credits*** ***(G9011)***
This course offers credit to students who are currently working or seeking work during daytime hours. Internships, volunteering and vocational training programs with a work-based Learning Plan will be counted as work hours and credit towards graduation.

QUINCY EVENING HIGH SCHOOL (QEHS)

The mission of the **Quincy Evening High School (QEHS)** is "the development of individuals who are maximally competent as self-fulfilling individuals, as citizens, as workers." QEHS is an alternative setting that provides students with the opportunity to complete local requirements for graduation in an evening setting. Typically, QEHS students have not experienced success in our regular classroom settings, and placement in this program allows students to concentrate on academic needs while transitioning to work during the daytime hours. The evening high school model uses an applied approach to the academic, civic, and social expectations as described by our high schools.

As mentioned, course descriptions for core academic courses are found in the Program of Studies listings for equivalent course names in English, Math, Science and Social Studies. Course descriptions for unique courses to the QEHS Program are shown below.

Courses Unique to Quincy Evening High School

Course Name	Grades	Level	Credits	Course #
American Literature	12	CCP	5	EV0137
Human Anatomy	12	CCP	5	EV2832
Western Philosophy	12	CCP	5	EV3011
Human Behavior	12	CCP	5	EV3742
Career Development	12	CCP	5	EV9021
Work-Based Learning	12	CCP	5	EV9010
Work-Based Learning 2	12	CCP	2.5	EV9011

American Literature - CCP ***Gr. 12 - 5 Credits*** ***(EV0137)***
In American Literature, students explore the development of American thought in literature through thematic and chronological approaches. A diverse cross-section of works that contributed to our literary heritage will be examined and analyzed. Readings include pieces from Romanticism, Transcendentalism and Realism. Students will be required to write expository, persuasive, and descriptive essays relating to the works discussed.

Human Anatomy - CCP ***Gr. 12 - 5 Credits*** ***(EV2832)***
This course is designed to study human anatomy with relationships to physiology. Emphasis is placed on human anatomical structures and how they relate to functions and systems within the human body.
Prerequisites: Biology and Chemistry

Western Philosophy - CCP ***Gr. 12 - 5 Credits*** ***(EV3011)***
The primary focus of this full-year course will be the standard cannon of Western Philosophy beginning in Ancient Greece, the birthplace of western thought. Students will also examine more modern philosophical movements leading up to and through the 20th Century. The course will also attempt to define modern ideological movements like nationalism, capitalism, liberalism, socialism, communism, anarchism, fascism and terrorism.

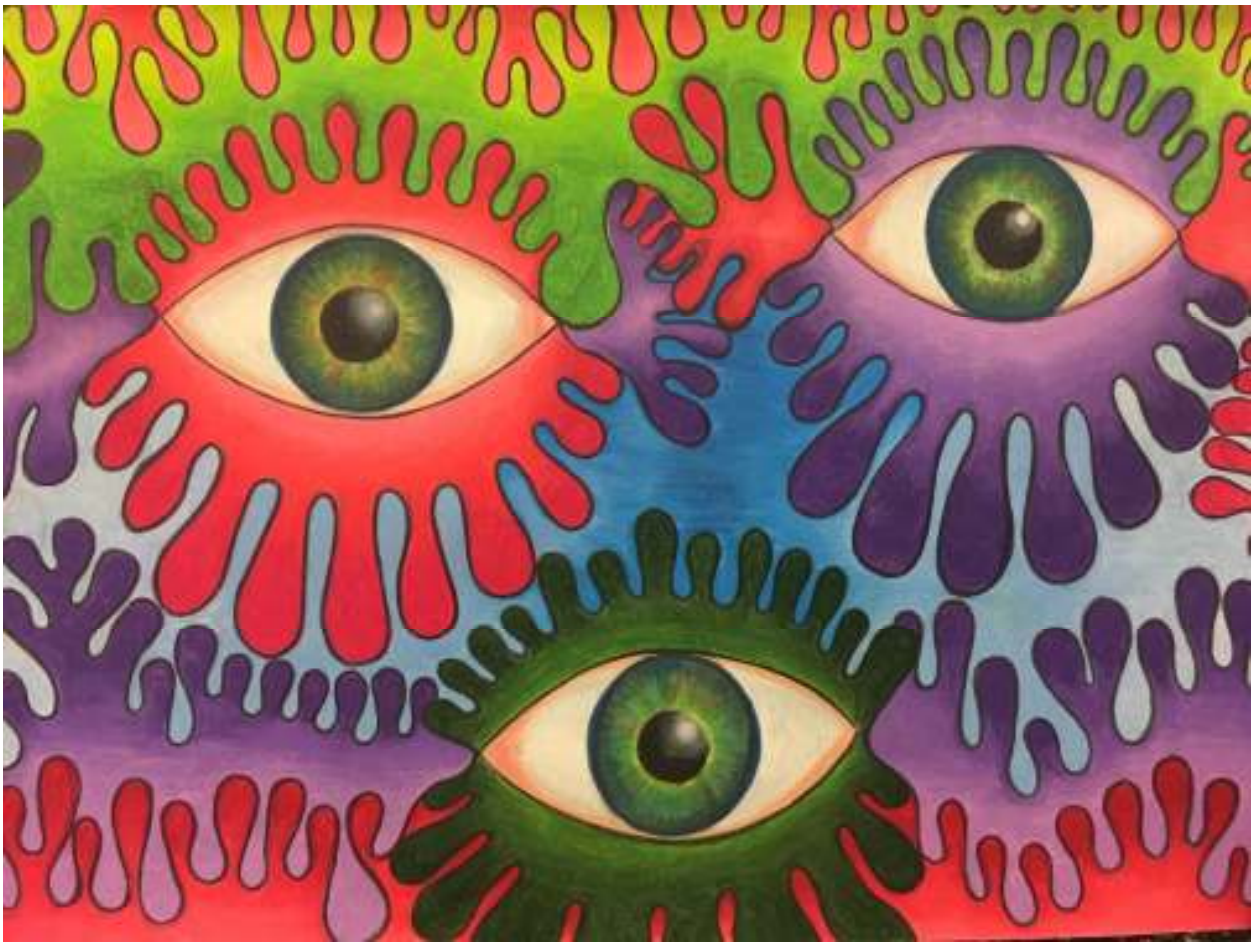
Human Behavior - CCP ***Gr. 12 - 5 Credits*** ***(EV3742)***
This yearlong course designed to introduce students to the scientific study of the behavior and mental processes of humans. Topics normally covered include the following: different types of psychology, states of consciousness, child development, and the diagnosis and treatment of psychological disorders. Emphasis is specifically given to how the topics can be related to students' lives.

Career Development - CCP ***Gr. 12 - 5 Credits*** ***(EV9021)***

This course helps students understand what drives their career preferences and choices. Students are taught to identify their current skills, as well as gaps in their skill sets, and to recognize opportunities for their career enhancement both within and beyond their current employer. Emphasis is placed on listing achievements and skills in appropriate formats (i.e. resume, job application) for future employers or academic institutions, performing effectively in a face-to-face encounter such as an interview or during a presentation, and making the most effective use of their professional network.

Work-Based Learning - CCP ***Gr. 12 - 5 Credits*** ***(EV9010)***
Work-Based Learning - CCP ***Gr. 12 - 2.5 Credits*** ***(EV9011)***

This course offers credit to students who are currently working or seeking work during daytime hours. Internships, volunteering and vocational training programs with a work-based Learning Plan will be counted as work hours and credit towards graduation.



Artwork by Olivia T., Grade 12, Quincy High School

QUINCY SCHOOL COMMITTEE

The Honorable Thomas P. Koch, *Mayor and Chair*

Anthony J. Andronico, *Vice-Chair*

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