

7th Grade Science with Mr. Ranft

Syllabus



Our Goal: To have students deepen their enthusiasm, knowledge and skills of science through hands-on activities within large and small peer groups.

Essential Questions (questions that guide our State Science Standards)

- Understand how living things interact with each other and their environment?
- Understand how our universe is connected to you?
- Understand how 3 Laws rule all life and the universe?
- How do scientists find out about objects, living things, events and phenomena?

Projects/Learning Assessment Tasks (individual or group projects)

- (Term 1) Tree of Life
- (Term 2) STEM Project (prep for 8th grade science fair)
- (Term 3) Rocket Engineering and Design

Life Skills

- | | | |
|--|--|--|
| <input type="checkbox"/> Persistence | <input type="checkbox"/> Dress for Success | <input type="checkbox"/> Teamwork |
| <input type="checkbox"/> Patience | <input type="checkbox"/> Inference | <input type="checkbox"/> Time management |
| <input type="checkbox"/> Respect | <input type="checkbox"/> Pride | <input type="checkbox"/> Public Speaking |
| <input type="checkbox"/> Presentation skills | <input type="checkbox"/> Responsibility | |

Lab Technique and Safety Skills

- Develop and demonstrate proper lab procedures, techniques, and equipment use.

Measuring and Metric Proficiency Skills

- Develop and demonstrate proper measuring procedures, techniques, and equipment.

Lab Report and Writing Skills

- Develop and demonstrate proper lab report format.
- Develop the literacy skills to decode, summarize, and reflect on an article's content.
- Explain and follow the proper procedures for citing others' work without participating in plagiarism.



Grading Policy

Quizzes-40%

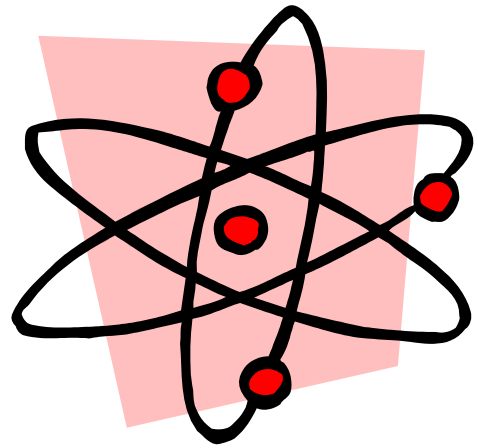
Learning Assessment Task-30%

Lab Report-15%

Notebook Check- 5%

Homework-5%

Participation-5%



Notebook Setup Directions

1.) 3-ring binder (2 inch or larger) with clear plastic cover protector.

2.) 8 labeled dividers with tabs.

(Class info, Notes, Homework, Vocabulary, Labs, Quizzes/Tests, Projects, MCAS Review)

3.) Loose leaf paper only for note section.

4.) Notebook cover will be assigned during first week of class.

Homework Policy

Homework is not given to be a waste of your time but used to continue your learning throughout the day.

- Homework must be turned in complete. Even if you don't know the answer give your best guess.
- All answers should be in complete sentences.
- Spelling and grammar aren't scored but try your best to use your English language skills.
- Name, Date, Division will be written in upper right of each page.
- Use your very best handwriting. If I can't read it I won't grade it.
- Homework will be posted each day on the website:

<https://sites.google.com/site/mrranft/>

Help Sessions

- Mr. Ranft is available from 7:45 to 8:15am and 2:30-3:15 each day.

Contact Email: christopherranft@quincypublicschools.com



Atlantic Middle School