



Physics Fact Sheet

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What to Expect

- ❖ Integration of Physics, Engineering and Earth Space Science
- ❖ Inquiry Based Learning- You will explore and discover science and make conclusions
- ❖ Focus on science competencies including writing and communicating in science
- ❖ Working in partners and groups
- ❖ Limited lecturing and traditional tests and quizzes with flipped lessons to learn content

How Will I Be Graded?

- ❖ Standards Based Grading
- ❖ Real time assessments in class, check i questions, projects, lab reports
- ❖ Ten or more instances of each standards throughout the semester
- ❖ Focus on growth and where students are real time
- ❖ Grading focused on feedback
- ❖ Overall scores are updated with more instances and converted into letter grades
- ❖ Meetings with teacher about progress



Science Competencies

- ❖ AHS Science Practices
- ❖ Communication: Written, Verbal, Modeling, Questioning
- ❖ Critical Thinking: Data Analysis, Mathematical Analysis, Evaluation of Work
- ❖ Investigation: Problem solving, planning and carrying out investigations, data collection



What You Need for This Course

- ❖ Chromebook
- ❖ Notebook
- ❖ Folder exclusively for physics
- ❖ Pencils, Highlighters
- ❖ Curiosity, Focus and Determination

What Units Will We Be Covered?

- Unit 1-** Energy Flow from the Earth's Systems
- Unit 2-** Energy, Forces and Earth's Crust
- Unit 3-** Collisions and Momentum
- Unit 4-** Meteors, Orbits and Gravity
- Unit 5-** Electromagnetic Radiation
- Unit 6-** Earth's History

