

Name of School:

Name of Course: **Physical Science**

Instructor Information

Name:
E-mail address:
School phone number:
Web page address:
Best times to be reached:

Course Description

This two-term course is an investigation into physics and finding the simplest and least complicated explanation for things. Through laboratory experiences, students observe how things work and find connections between cause and effect that explains why things work.

District Standards and Power Benchmarks

Standard 1: Understands and applies the principles of scientific inquiry

Benchmark A: Formulates and revises scientific explanations and models
Benchmark B: Understands how scientific knowledge changes with new evidence
Benchmark C: Uses technology and mathematics to perform accurate scientific investigations and communications
Benchmark D: Demonstrates safe handling procedures

Standard 2: Understands and applies the principles of physical science

Benchmark A: Explains the principles of forces and motion
Benchmark B: Examines interactions of energy and matter
Benchmark C: Recognizes patterns in the properties of matter

Course Information

Physical Science is a two-term course with the pre-requisite of Investigative or Molecular Biology. One unit of credit will be earned for the completion of this course.

Course Outline/Calendar

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Text/Other Required Materials/Resources

Dobson, Holman, and Roberts (2008). Physical Science. Austin, TX: Holt, Rinehart, and Winston.

Instructional Procedures & Support

Classroom Management Procedures

Assessment Plan

The students are assessed on a point system. In addition to classwork, labs, tests and quizzes, the students are assessed on: Properties of Matter Assessment, Forces and Motion Assessment, Interaction of Energy and Matter Assessment, and a Spreadsheet Integration Project.

Grading System

Grades are based on the following Categories:

- 40% Labs/Classrooms Activities
- 20% Assessments
- 15% Science Journals (Notebook, Portfolio)
- 10% Miscellaneous
- 15% Final

The District Grading Scale is used to calculate the final course grade:

- 92 – 100 A
- 83 – 91 B
- 68 – 82 C
- 60 – 67 D
- 0 – 59 F