

Name of School:

Name of Course: **Earth Materials**

Instructor Information

Name:

E-mail address:

School phone number:

Web page address:

Best times to be reached:

Course Description

This one-term course is an investigation into earth history and the natural chemical and physical processes affecting the earth.

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 earth science

Benchmark A: Investigates processes that shape the earth

Benchmark B: Examines the composition of rocks and minerals

Course Information

This is a one-term class with no pre-requisites. 0.5 credits will awarded for this class.

Course Outline/Calendar

Unit 1a: Interior of the Earth

Unit 1b: Plate Tectonics

Unit 2: Rocks and Minerals

Suggested Extensions:

Unit 4: Earthquakes

Unit 5: Volcanoes

Unit 6: Weathering and Erosion

Text/Other Required Materials/Resources

DiSpizio, et al. (1995). *Science Insights: Exploring Earth and Space*. Menlo Park, CA: Addison-Wesley Publication Company, Inc.

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: a Mineral Identification Assessment, Plate Tectonics Assessment, and a Spreadsheet Integration Project.

Grading System

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