

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**

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### **Classroom Management Procedures**

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### **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**

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F