

## **ISM Geology Online Lesson Plans**

by Tracy Trimpe

### **Lesson #1 - GeoHunt**

Students will gain an understanding of the role of rocks, minerals, and fossil fuels in providing the materials we find in our homes, schools, and communities through a game and scavenger hunt for items made from geological resources.

Lesson Plan - GeoHunt\_LP.doc  
Game Cards - GeoHunt\_Cards.pdf  
Identification Tags - GeoHunt\_Tags.pdf

### **Lesson #2 - Mighty Minerals**

Students will be able to perform basic identification tests to describe the physical and chemical characteristics of minerals. In addition, students will be able to identify important uses for common minerals in Illinois.

Lesson Plan - Mighty Minerals\_LP.doc  
"What is a mineral?" Worksheet - Mighty Minerals\_MinWkst.pdf  
Mineral ID Guide - Mighty Minerals\_IDGuide.pdf  
Mineral ID Chart - Mighty Mineral\_Chart.pdf  
Project Information and Worksheet - Mighty Minerals\_Proj.pdf

### **Lesson #3 - Sediment Sleuths**

Students will be able to identify common rocks and minerals that are found in a specific region of the state through the analysis of samples of sediments from local ponds, streams, or rivers.

Lesson Plan - SedimentSleuths\_LP.doc  
Project Worksheet - SedimentSleuths\_Wkst.pdf  
Extension Lesson Worksheet - SedimentSleuths\_Bottles.pdf

### **Lesson #4 - Project Geode**

Students will collect data about the physical characteristics of a geode and determine a method for predicting the internal structure.

Lesson Plan - ProjectGeode\_LP.doc  
Data Cards - ProjectGeode\_DCard.pdf