

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