**Title:** Rock Identification

**Objective:** Review rock identification by writing down characteristics of rocks
**Time:** 5 minutes or less
**Materials Needed:** None

**News and Announcements**
Suggested Season: Any
Suggested Grade Level: 2-5
Indoors or Outdoors: Indoors
Theme: Geology
Topic: Rocks

## Directions:

1. On the bottom line of the News and Announcements, list the three types of rocks: sedimentary, igneous, and metamorphic.
2. Write the following directions: "Write one fact you know about any of these rock types."
3. At the end of morning meeting, review what the students wrote. Make corrections, if needed.

## Discussion Questions:

1. Using adjectives, how could we describe each type of rock?
2. Where have you found one of these types of rocks?

*Created by Kim Pothen, 2010, ISD #719*

## Standards Addressed:

Science: 1.3.1.3.1.; 1.3.1.3.2.; 1.3.1.3.3.; 3.1.1.1.1.; 8.3.1.3.2.
Language Arts: K.I.B.; K.I.C.; K.II.B.; K.III.A.; K.II.E.; 1.I.C.; 1.III.A.; 1.III.B.1.; 2.III.A.; 3.I.B.1.; 4.I.B.1.; 4.I.B.3.; 5.1.B.
Math:
Social Studies:

## Background Information:

- **Sedimentary Rocks**: Rocks formed from sediments covers 75-80% of the Earth's land area, and include common types such as chalk, limestone, dolomite, sandstone, conglomerate and shale. Sedimentary rocks are laid down in layers called beds or strata.
- **Igneous Rocks**: *Igneous* comes from the Latin word for fire, and all igneous rocks began as hot, fluid material. This material may have been *lava* that erupted at the Earth's surface, or magma at shallow depths, or magma in deep cavities. Examples: basalt, granite, pegmatite, pumice, obsidian, diorite.
- **Metamorphic Rocks**: Rocks that are formed together into another type of rock. These rocks were once sedimentary or igneous rocks. The rocks were formed under a lot of pressure which created heat build-up and caused them to change. Examples: quartzite, schist, slate, limestone, marble, gneiss.

## Additional Resources:

- *Looking at Rocks – Beginner's Field Guide* by Jennifer Dussling
- *Rocks in His Head* by Carol Otis Hurst

## Correlates with:

Greeting – Igneous Handshake
Activity – Geology Rocks