**Lesson Plan 2: Observing and Recording Rocks**

**Materials:** List of rock characteristics, K/W/L chart, students bring in own rock (have extras on hand), ruler, (optional: scale or balance, magnifying glasses)

**Goals:** Practice skills of observation and written description

**Assessment Opportunities**: Adding to ‘Want to know’ and ‘Learned Column’ in K/W/L chart, picture and description

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| **ACTIVITY** | **FOCUS (Key teaching points monitoring assessment criteria)** | **STRATEGY** | **TIME** | **STANDARDS** |
| BEGIN | -Review -Speaking and listening activity |  -Review how rocks are different from previous list -Review that rocks are different because of: 1. Ingredients2. Method of rock formation - Review that rocks are made of ingredients called minerals. A rock must include more than one mineral. -Have each student show his or her rock and quickly share where it was found | 10 minutes | 2.SL.1a |
| MIDDLE(MAIN PART) |  - Observe and describe rocks -Inquiry questions based on the scientific method |  -Draw their rock making a pencil sketch and adding color when done sketching. Make a list (early primary) or write in sentences a description of the rock using as many of the characteristics from the list that apply. Based on grade level, use ruler or scale or balance to measure. Magnifying glasses can be used if available. -On a separate sheet of paper have each student write three questions about his or her rock. | 25 minutes | 2.W.72.W.8 |
| CONCLUSIONEND | -Reading aloud, comparing diverse rocks-Reiterate 1. Diversity of rocks2. Observation and recording data are important parts of the scientific process  | -Have students partner up and read descriptions to each other aloud. -Emphasize1. Diversity of rock types2. Scientists must carefully observe and accurately record their observations  | 10 minutes |  |