**Lesson Plan 1: Introduction to Rocks and Minerals**

**Materials:** *Everybody Needs a Rock* by Byrd Baylor, Chart paper or white board, assorted rocks

**Goals:** Understand what rocks are and why they are different

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

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| **ACTIVITY** | **FOCUS (Key teaching points monitoring assessment criteria)** | **STRATEGY** | **TIME** | **STANDARDS** |
| BEGIN | -Renew intuitive curiosity about rocks  -Root words and definitions | -Read *Everybody Needs a Rock*  by Byrd Baylor  -Geology: geo - the earth  ology – to study | 7 minutes | 2.L.4c |
| MIDDLE  (MAIN PART) | -Establish prior knowledge  -Establish an intuitive understanding of how rocks are different (this will lead into minerals, and the three different rock types) | -Make a K/W/L chart (know, want to know, learned): complete know, progressively add want to know and learned  -Why do we like rocks? Because they are all different!  Other people like rocks because different rock types can be used to make different things.  Make a list (on chart paper) of the characteristics of rocks led by student responses. It may help to have rocks available for students to look at during this activity. When students are finished make sure to include: color, texture, size of grains (boulder, pebble, sand, smaller) hardness, shape, heaviness (density), fossils, shininess | 10 minutes  10 minutes | 2.SL.2  2.SL.3 |
| CONCLUSION  END | -Establish the basics of how rocks are made  -Review today’s key points | -Rocks are different in many ways. So they cannot be made in exactly the same way. Rocks are different for two main reasons:  1. Different ingredients: We call the ingredients in rocks minerals  2. Different method of rock formation: In the next few days we will talk about different methods of rock formation  -Update K/W/L chart | 5 minutes  5 minutes |  |