**Geology Outreach – Rockin’ With Rocks**

 **Stokes Nature Center**

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| **Subject** | **Grade** | **Utah Science Core Standard** |  **Objective** |
| **Science** | Second | 2. Earth and Space Science | 1. Describe the characteristics of different rocks. |
| **Science** | Second | Processes, Communication, and Nature of Science | 1. Generating evidence by framing questions, designing and conducting investigations, collecting data, and drawing conclusions.2. Communication science effectively using science and reasoning.3. Understanding the nature of science. |
| **English Language Arts** | Second | Informational TextSpeaking and Listening | RI 2.1 Ask and answer questions to demonstrate understanding of key details in a text.RI 2.4 Determine the meaning of words and phrases in a text relevant to a grade 2 topic.SL 2.1 Participate in collaborative conversations with peers and adults about grade 2 topics. |
| **K-2 Integrated Core** | K-Second | 1. Students will develop a sense of self. | 3. Develop and use skills to communicate ideas, information, and feelings.a. Express personal experiences and imagination through dance, storytelling, music, and visual art.  |

**Big Idea:** Rocks can be classified into groups based on their observable characteristics.

**Science Core Indicators:**

1. Explain how smaller rocks come from breakage and weathering of larger rocks.

2. Describe rocks in terms of their parts.

3. Sort rocks based upon their color, hardness, texture, particle size and type.

**Essential Questions:**

What is a rock?

 How can we describe different kinds of rocks?

 What are the three groups of rocks?

 What causes rocks to change in the rock cycle?

How can we sort and identify rocks based on unique characteristics?