

Grade 5: School of Rocks 2018 - 2019

Elaborations /Inquiry	Core Competencies	Big Ideas	Curricular Competencies	Activity Connections	Content
<p>How do we interact with water, rocks, minerals, soils, and plants?</p> <p>How can Earth be considered a closed material system?</p> <p>How can we act as stewards of our environment?</p>	<p>Social Responsibility: Contributing to community and caring for the environment</p> <p>Critical Thinking: Question and investigate</p> <p>Communication: Collaborate to plan, carry out, and review constructions and activities</p>	<p>Earth materials change as they move through the rock cycle and can be used as natural resources</p>	<p>Questioning and predicting</p> <ul style="list-style-type: none"> Make observations in familiar or unfamiliar contexts (2, 3) Identify questions to answer or problems to solve through scientific inquiry (1, 2, 3, 4, 5) Make predictions about the findings of their inquiry (2, 3, 4, 5) <p>Planning and conducting</p> <ul style="list-style-type: none"> With support, plan appropriate investigations to answer their questions or solve problems they have identified (2, 3, 5) Observe, measure, and record data, using appropriate tools, including digital technologies (2, 3, 5) Use equipment and materials safely, identifying potential risks (2, 3, 4, 5) <p>Processing and analyzing data and information</p> <ul style="list-style-type: none"> Experience and interpret the local environment (2, 3, 5) Demonstrate an openness to new ideas and consideration of alternatives (1, 2, 3, 5) <p>Evaluating</p> <ul style="list-style-type: none"> Evaluate whether their investigations were fair tests (2, 3) Suggest improvements to their investigation methods (2) <p>Applying and innovating</p> <ul style="list-style-type: none"> Contribute to care for self, others, and community through personal or collaborative approaches (5) Cooperatively design projects (5) <p>Communicating</p> <ul style="list-style-type: none"> Express and reflect on personal, shared, or others' experiences of place. (1, 2, 3, 4, 5) 	<p>1. Rock vs Mineral 2. Rock Classification 3. Rock & Roll Journey 4. Rock Origami 5. Playdough Mining</p>	<p>Local types of earth materials (<i>include mineral, rock, clay, boulder, gravel, sand, soil</i>)</p> <p>The rock cycle</p> <p>First peoples concepts of interconnectedness in the environment (<i>everything in the environment is one/connected (e.g., sun, sky, plants and animals) and we have a responsibility to care for them</i>)</p>