

7.2.1 e2B e2C Enrichment Episode Narrative

Time: x minutes	Anchor Phenomena: x.
Big Idea: x.	
CCCs <u>Structure and Function,</u> <u>Patterns</u>	Practices Ask Questions, Construct an Explanation, Develop Models

EPISODE SNAPSHOT

The Rock Type Foldable can be either used as an episode on its own or incorporated into the other episodes as a way for students to record information about the three rock types.

The Rock Type Exploration activity could be used as a way for students to specifically observe the individual rock types.

GATHERING

Foldable: Use the PPT, other episodes or class discussion, to give students information about each of the rock types so they can fill in the foldable. The three petals fold together to form a circle. Students can draw examples of each of the rock types on the back of the circles.

Exploration: To help move students through stations as easily as possible, create three stations for each rock type, with 3-4 rock samples at each station. Students will visit at least one station of each rock type, making observations of the rocks at that station.

REASONING

Students doing the Exploration activity must make claims about which type of rock they believe the samples are at each station by observing the patterns they see and comparing them to the information they learned about the rock types.

These two enrichment episodes could also be combined into one activity, with students using the info about rock types to figure out what the rock types are.

COMMUNICATE

Students will communicate their understanding of how the processes of the rock cycle that occur in different environments affect the formation of specific rock types.

Assessment: Completion of the worksheet or foldable.	Materials, resources, handouts, etc. • 7.2.1 e2B RockTypesFoldable • 7.2.1 e2B RockTypesFoldablePPT • 7.2.1 e2C RockTypeExploration • Rock samples • Possible material sources: • Igneous rocks: https://www.flinnsci.com/igneous-rock-collection/ap4998/ • Metamorphic rocks: https://www.flinnsci.com/metamorphic-rock-collection/ap4999/ • Sedimentary rocks: https://www.flinnsci.com/sedimentary-rock-collection/ap5000/ • Intro rock collection: https://www.flinnsci.com/introductory-rock-collection/ap5001/
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