

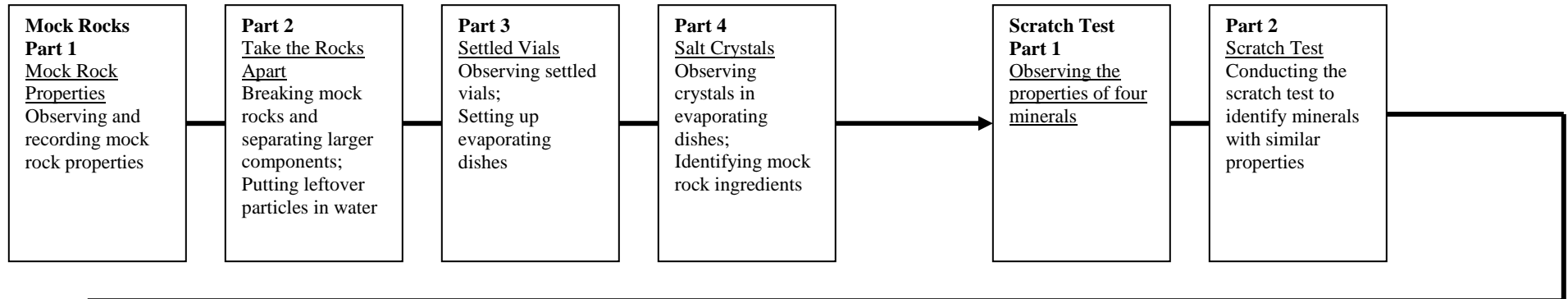
*Earth Materials Storyline*  
FOSS Third Grade

**Unifying Concept:** Evidence, Models, and Explanation; Constancy, Change, and Measurement; Evolution and Equilibrium

**Big Idea:** Rocks and minerals have identifiable characteristics.

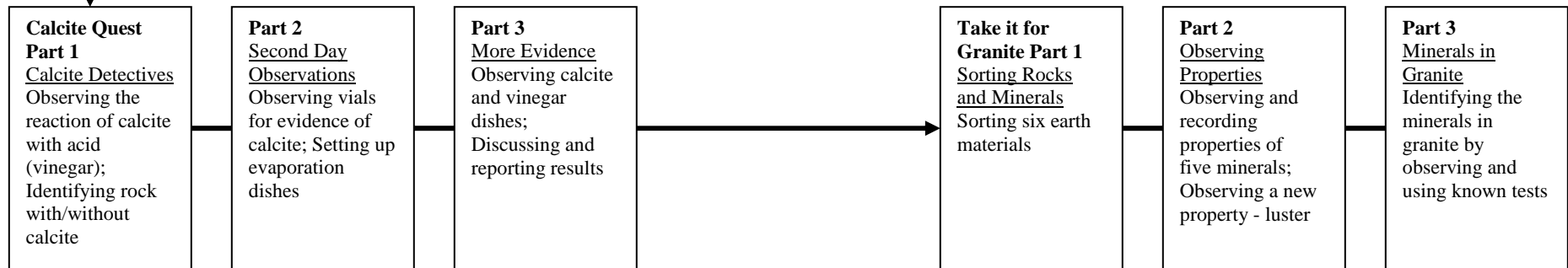
**Sub Concept I:** Many earth materials combine to make rocks.

**Sub Concept II:** Minerals are the ingredients of rocks. Minerals can be ranked by their hardness.



**Sub Concept III:** Calcite is the only mineral that fizzes when placed in vinegar (acid).

**Sub Concept IV:** Granite is a rock containing the minerals feldspar, quartz, black mica, and hornblende.



**Description of Assessment:** End-of-unit assessment includes a hands-on task, pictorial assessment, and reflective questions assessment, review student work (e.g. science notebooks)

**Science Process Skills:** Observing, Questioning, Comparing, Communicating, Predicting, and Categorizing

**National Science Standards:** K-4 Earth/Space Science; Physical Science; Science in Personal and Social Perspectives; History & Nature of Science; Science as Inquiry

**California Science Standards:** 3: Investigation and Experimentation 5a,c