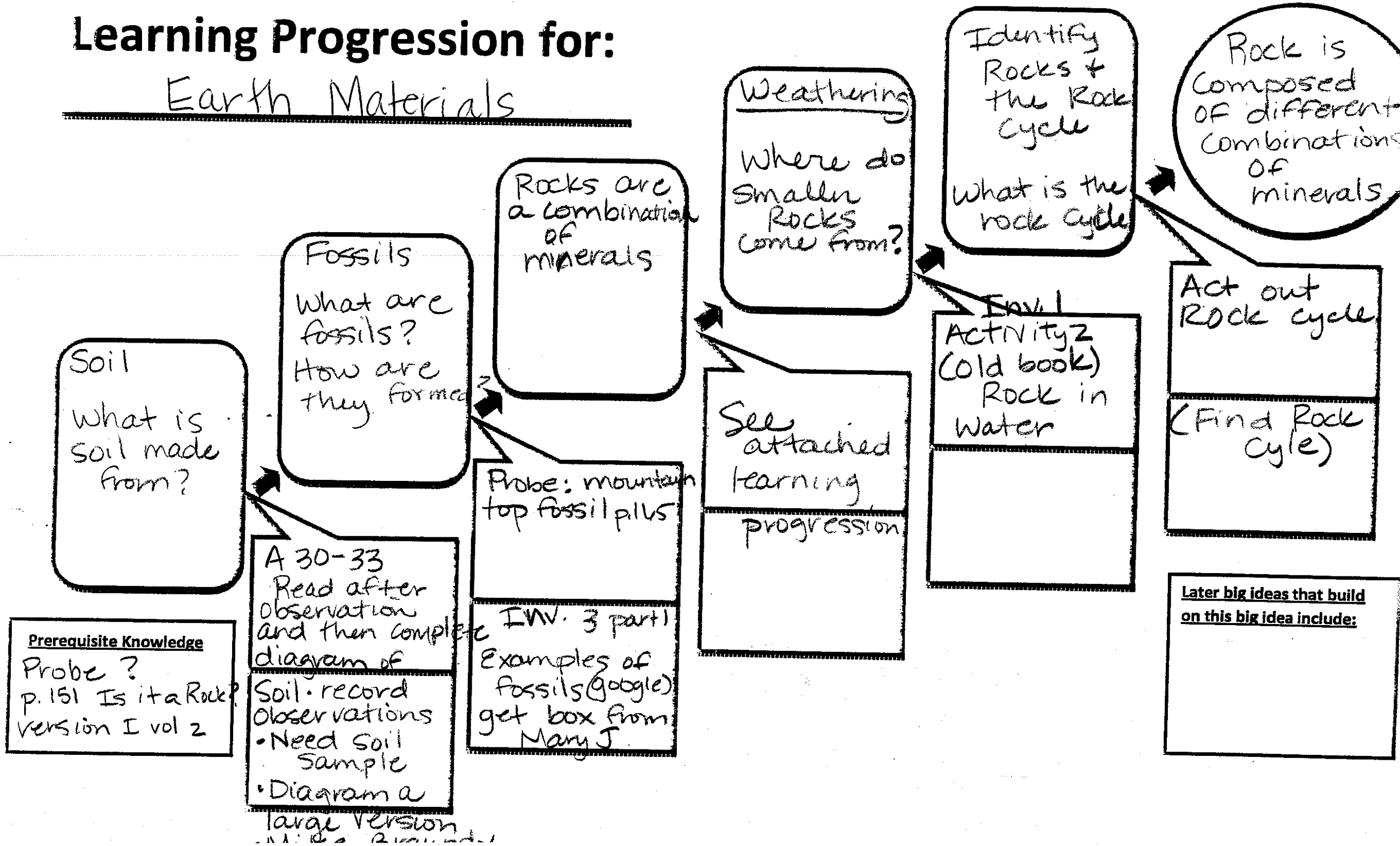


Learning Progression for:

Earth Materials



My Learning Progression

Mock Rocks

Prerequisite knowledge:

paste Earth materials worksheets in Science notebook

Observe Rocks

1. Rocks
2. magnifying glass
3. Science notebook

- Geologists
- rocks
- Discuss rock properties

Question: what similarities and differences do you notice among these rocks?

observe with magnifying glass and record in Science notebook

Inv. 1 part 1

Introduce the word property and define in notebook.

Introduce mock rocks

part 1 record sheet

Show mock rock and explain this is the type of rock then will investigate

Discuss how to record on the sheet

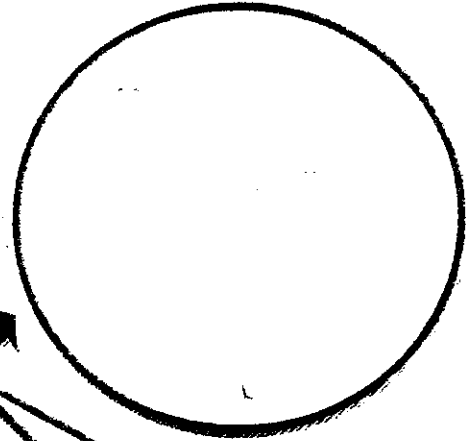
1st observation (surface only record in notebook)
pg. 2 - newer book

Observe a Mock Rock

Write down observations and draw the rock on the worksheet

Discuss results properties
texture, color, size + shape

Later big ideas that build on this big idea include:



My Learning Progression

Mock Rock (cont)

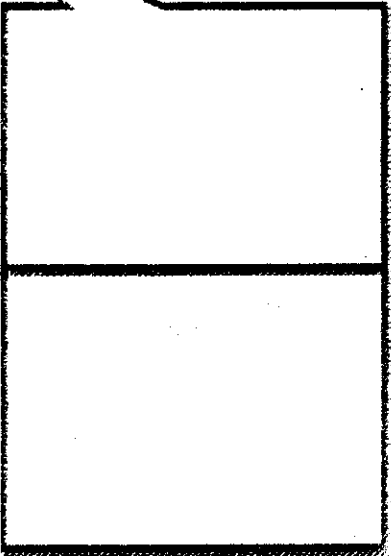
Prerequisite knowledge:

Rock ingredients

Use nail to separate out different ingredients of the rock.
• break rock in half first

Record results (New record sheet p.4)

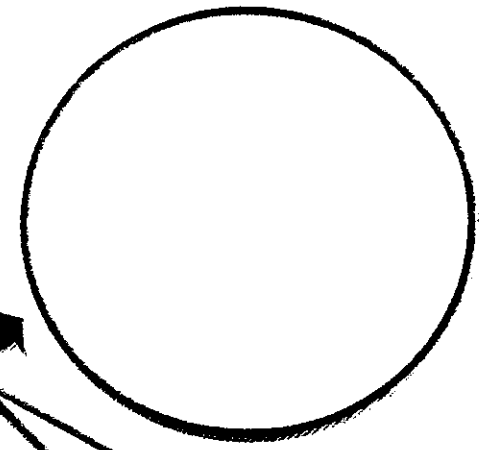
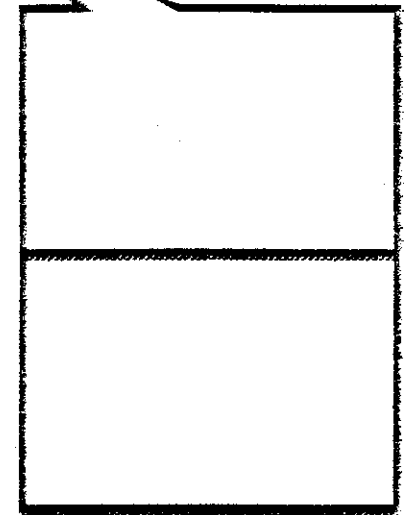
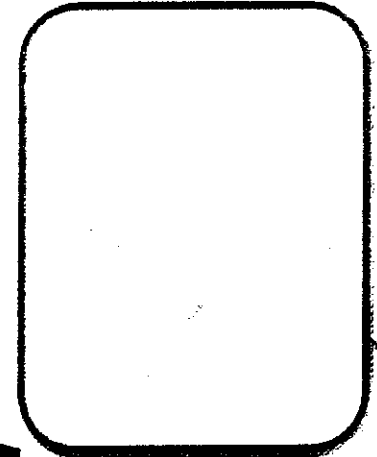
Separate rock material further (need 2 cups)



gravel - in one cup
shells - in one cup

Introduce the vials

Fill with remaining rock material (left on plate)



Later big ideas that build on this big idea include: