

ROBERSON MUSEUM AND SCIENCE CENTER

Post-Visit Confluence: Create a Living Water Cycle

Grade Level: K through 6

New York State Standards: M S & T 1, 4, & 7

Pennsylvania State Standards: S & T 4.3, & 4.7

Objectives: Students will create their own micro-environment that will show them the different phases of the water cycle. When completed they should be able to see condensation forming, which will produce a rain like dew that will go into the soil and collect at the bottom. The plants will soak this up and complete the cycle by forming condensation again.

Materials:

- Gallon size jar
- Plants
- Bottle cap or shell of water
- Soil
- Sand
- Small rocks
- Cellophane
- Rubber bands

Procedure:

1. Refer to the picture below as needed. Make a copy of the picture on the second page for your students. You may want your students to work in groups depending on the number of jars you have.
2. Have your students fill the Jar (#1) with the following items: Small rocks (#6), sand (#5), soil (#4), bottle cap or shell (#3), and a plant (#2).
3. Cover the top of the jar with cellophane and place a rubber band around the neck of the jar to hold in place.
4. Have your students place the jar in a sunny spot.
5. Tell your students to watch how the water cycle works. Have them report back to the class in a couple of days on the progress of their jar.



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