

An aerial illustration of a large, multi-decked learning barge on a river. The barge has a grey roof, a yellow deck, and a green deck. It features a covered walkway, a small court, a rowing station, and various educational displays. A wooden pier is on the left, and a bird is flying in the sky. The background shows a stylized map of the Elizabeth River area.

PRE & POST ACTIVITIES

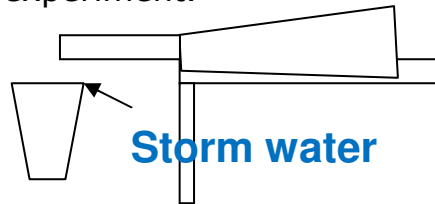
**THE ELIZABETH RIVER PROJECT
LEARNING BARGE**

RUNOFF & SCHOOL YARD ACTIVITY



BASIC WATER QUALITY LESSON

1. Introduction: What are the needs of plants and animals?
2. Let's see if we can find out what can pollute our water by doing an experiment.



This device was made out of a paint tray liner. A hole was cut in the shallow end and a 5 inch piece of clear plastic tubing was hot glued into place.

- Divide class into 6 groups that will test either soil, paper, oil, mulch, leaves or soap.

- pour in material being tested
 - pour in measured amount of water (simulates rain)
 - water and materials will drain into cup (wait until water has gone into cup)
3. Each group will present their results. Compare different cups to the teacher's control w/o materials to determine if there is pollution.
 4. Tour school to look for evidence of pollution and areas that will lead to pollution. Test to see what happens when it rains on different surfaces by pouring water from a pitcher. Suggested areas: soil, mulch, sidewalk/parking lot; grass, etc.

Pick up trash along the way.