

Enviroscape

(4th - 7th Grade)

1 hour

Demonstrate point and non-point sources of pollution, including garbage, refuse, waste water sludge and sediment, through a large-scale hands-on watershed model.

Grade Level Expectations

- 1.2.1 - Describe the effects on a system when an input in the system is changed.
- 1.2.4 - Identify and describe various landmasses, bodies of water, and landforms.
- 1.3.4 - Describe how weathering and erosion change the surface of the Earth.
Describe how constructive and destructive processes change landforms.
- 1.3.10- Describe how an organism's ability to survive is affected by change in an ecosystem.
- 2.1.1 - Identify the question being answered in an investigation.
- 2.1.2 - Make predictions of the result of an investigation.
- 2.1.4 - List similarities and differences between a model and what the model represents.
Investigate phenomena using a simple physical or computer model or simulation.
- 2.2.5- Explain how ideas about the natural and/or constructed world have changed because of scientific inquiry.
- 3.1.2 - Describe and/or explain possible solutions to a problem.
- 3.1.3 - Describe how to change a system to solve a problem or improve a solution to a problem.
- 3.2.4 - Describe how resources can be conserved through reusing, reducing, and recycling.
Describe and/or explain the effects conservation has on the environment.
Describe and/or explain the effects of humans on the health of an ecosystem.
Describe how humans can cause changes in the environment that affect the livability of the environment for humans.
Describe the limited resources humans depend on and how changes in these resources affect the livability of the environment for humans.



Students observe pollution on the watershed model



Students make it rain on the watershed model