



Land Use in Your Watershed

SUBJECT AREA:

Science – Earth Science,
Environmental Science.

GRADE LEVEL:

Kindergarten through fifth.

DURATION: 30 to 45
minutes; staff will require
30 minutes to set up
demonstration.

AUDIENCE SIZE: 75
students at one time; larger
groups can rotate through
stations.

OVERVIEW: Enviroscape
models provide an
interactive lesson that
simplifies complex
environmental science issues. Students will be able to observe interactions of precipitation with various land use practices. This lesson also provides for discussions of sustainable land use practices, allowing students to develop numerous environmental scenarios and pollution control solutions.



OBJECTIVES:

The student will:

- Understand the interactions of precipitation on various land use practices.
- Differentiate between point and nonpoint source pollution.
- Utilize solution-based creative thinking skills to implement sustainable land use practices.
- Develop scenarios and pollution control solutions, testing their sustainable land use practice hypothesis on the model.
- Recognize why land management strategies are an important conservation issue.



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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SUNSHINE STATE STANDARDS:

SC.3.N.1.1 - Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.3.N.1.2 - Compare the observations made by different groups using the same tools and seek reasons to explain the differences across groups.

SC.3.N.3.2 - Recognize that scientists use models to help understand and explain how things work.

SC.4.E.6.4 - Describe the basic differences between physical weathering and erosion.

SC.4.N.1.4 - Attempt reasonable answers to scientific questions and cite evidence in support.

SC.4.N.1.7 - Recognize and explain that scientists base their explanations on evidence.

SC.4.P.10.4 - Describe how moving water and air are sources of energy and can be used to move things.

SC.5.E.7.1 - Create a model to explain the parts of the water cycle.