

CLASSROOM PRESENTATIONS (Grade K and 5) OVERVIEW

Kindergarten Presentation Overview

The presentation, activity and demonstration provides students an opportunity for active and engaging learning.

Children are captivated during the water pollution demonstration as products such as kool-aid, chocolate syrup, chocolate sprinkles, dishwashing liquid, and paper bits are liberally distributed around a plastic community model to simulate pollution from pesticides, fertilizers, dog droppings, car wash suds, automotive fluids and litter. When it “rains”, the pollution is carried in storm drains and creeks to the bay where the fish and wildlife live.

During the 45-minute lesson the students will briefly explore:

Water as an important resource

What does the word “environment” mean?

What is water pollution? How does it happen?

How can we prevent water pollution?

Why should we protect our water?

Goodie bags are provided and each contains water activity books (puzzles, mazes, and coloring pages), stickers and pencils. The presentation and materials are free of charge.



Protecting Our Water – 5th Grade Program Outline

Water Pollution and Prevention

Length of Presentation: Approximately 1 hour and 30 minutes

Introduction – water is essential to life

- Water is one of Earth's most important resources
- All forms of life on Earth – plants, animals, fish, humans - need water to live

How much water is available?

- Salt water (97%) - Frozen (2%) - Fresh (1%)

Forms of water

- Liquid - Solid - Gas/vapor

The water cycle

- Water we have today is the same water we've had for centuries - never more and never less. It's the very same water the dinosaurs drank.
- Evaporation - Condensation - Precipitation

What is a Watershed?

- Describe watersheds

VIDEO – video is on students doing a community project and what they learn about water that drains into Storm Drains.

How does water drain? – Sewers / Storm Drains

- Groundwater - what is it - where is it stored - what are aquifers
- Storm drains
- Sewers

AQUIFERS – break into groups and build your own aquifer
(This can be taken out to allow for a shorter presentation)

Introduction of the Enviroscope (the water pollution demonstration)

The Enviroscope represents different areas of a community

ENVIROSCOPE DEMONSTRATION – Student interactive

- Residential - Industry - Farming

Pollution prevention (Discussion)

- What can we do to prevent storm water pollution?

Why is water conservation important?

- Ask students for suggestions of water conservation tips

Close

- Protecting our water is a serious issue
- Preventing pollution is everyone's responsibility
- Look for ways you can help

Wrap-up – hand out goodie bags

- Goodie bags include:
 - Activity books
 - Pencils
 - Stickers

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