

Protecting Our Water – 5th Grade Program Outline **Water Pollution and Prevention**

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 Enviroscape (the water pollution demonstration)

The Enviroscape represents different areas of a community

ENVIROSCAPE 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