


Program Name: Groundwater Enviroscope

Grade(s): Sixth and High School

<p>Objective(s): <u>Demonstration 1: How Groundwater Works</u> Through this activity, the presenter introduces and discusses the aerated and saturated zones. In addition, the demonstration discusses how an aquifer is recharged and the effect of topography.</p> <p><u>Demonstration 2: How We Use Groundwater</u> This activity covers the effect of pumping wells.</p> <p><u>Demonstration 3: How We Pollute Groundwater</u> Using two different powdered drink mixes (provided), this demonstration shows the effect of surface pollution on groundwater. This introduces point source pollution and the effect on the watershed.</p> <p><u>Demonstration 4: Preventing Contamination</u> This demonstration presents an inquiry approach to methods for</p>	<p>Activities & Resources:</p> <p>Teacher Manual with Background Information, Demonstration Instructions, and Supplemental Activities</p> <p>Groundwater Enviroscope Model and supplies.</p> <p>Large (~3.5 feet tall) but lightweight with rolling wheels and handle.</p>  <p>Large (~3.5 feet tall) but lightweight with rolling wheels and handle.</p>	<p>SOL's: 6.7, 6.9</p> <p>Format and Requirements:</p> <p>Teachers may borrow the conservation capsule (CC) for one week.</p>
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preventing groundwater pollution.

Description: The EnviroScape groundwater model provides a safe and simple demonstration of groundwater, its connection to surface water, its role in our environment, and the effects of surface pollution.