	Watershed Model Target Grade: Any Students will learn about downstream pollution and how it affects local waterways through this interactive model.
Format & Requirements	<ul> <li>A table or floor space will be required. Dimensions are approximately 2 x 2.5 feet.</li> <li>Demonstrating the Watershed Model generally takes 30 –45 minutes.</li> <li>The Watershed Model can be reserved as a conservation capsule.</li> <li>Hazardous Waste, Wetlands, Groundwater, and Landfill specific models are available upon special request.</li> <li>Model should be washed and thoroughly dried immediately after use.</li> </ul>
Activities & Resources	<ul> <li>Conservation Capsule format includes an Enviroscape Handbook with lesson plan.</li> <li>All necessary elements are included.</li> </ul>
Standards of Learning	<ul> <li>Science</li> <li>K.4 The student will investigate and understand that water is important in our daily lives and has properties. Key ideas include: <ul> <li>a) Water has many uses;</li> <li>b) Water can be found in many places;</li> <li>c) Water occurs in different phases; and</li> <li>d) Water flows downhill.</li> </ul> </li> <li>K.11The student will investigate and understand that humans use resources. Key ideas include: <ul> <li>c) Choices we make impact the air, water, land, and living things.</li> </ul> </li> </ul>
	<ul> <li>1.8 The student will investigate and understand that natural resources can be used responsibly.</li> <li>2.7 The student will investigate and understand that weather patterns and seasonal changes affect plants, animals, and their surroundings Key ideas include: <ul> <li>b) Wind and weather can change the land; and</li> <li>c) Changes can happen quickly or slowly over time.</li> </ul> </li> <li>2.8 the student will investigate and understand that plants are important natural resources. Key ideas include: <ul> <li>c) Plants can help reduce the impact of wind and water.</li> </ul> </li> <li>3.8 The student will investigate and understand that natural events and humans influence ecosystems. Key ideas include: <ul> <li>a) Human activity affects the quality of air, water, and habitats; and</li> <li>b) Water is limited and needs to be conserved.</li> </ul> </li> <li>4.8 The student will investigate and understand that Virginia has important natural resources. Key resources include; <ul> <li>a) Watersheds and water.</li> <li>6.8 The student will investigate and understand that land and water have</li> </ul> </li> </ul>

<ul> <li>roles in watershed systems. Key ideas include: <ul> <li>a) A watershed is composed of the land that drains into a body of water;</li> <li>b) Virginia is composed of multiple watershed systems which have specific features;</li> <li>d) Natural processes, human activities, and biotic and abiotic factors influence the health of a watershed system.</li> </ul> </li> <li>LS.9 The student will investigate and understand that relationships exist between ecosystem dynamics and human activity.</li> <li>ES.8 The student will investigate and understand that freshwater resources influence and are influenced by geologic processes and human activities. Key ideas include: <ul> <li>c) Weather and human usage affect freshwater resources, including water locations, quality, and supply; and</li> <li>e) Stream processes and dynamics affect the major watershed systems in Virginia, including the Chesapeake Bay and its tributaries.</li> </ul> </li> </ul>
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