



# MWEE Toolkit

Target Grade: Any

Meaningful Watershed Education Experience (MWEE) is a program that focuses on students learning about the ways they affect their watershed. If you have participated in our MWEE Teacher Training these are some of the activities in which you were trained. If you have not been trained, there is a resource binder describing how to use these activities to implement a MWEE in your classroom and outdoors. Combined with our Watershed Model Capsule this Capsule will help you to implement a MWEE whether it's your first time or seventh.

Some activities require you to provide your own materials.

<p>Format &amp; Requirements</p>	<ul style="list-style-type: none"> <li>• This program requires tables or clustered desks to be used as stations are needed.</li> <li>• The MWEE Toolkit can be reserved as a conservation capsule.</li> </ul>
<p>Activities &amp; Resources</p>	<ul style="list-style-type: none"> <li>• Conservation Capsule format includes a Teacher Resource Notebook with lesson plans.</li> <li>• Capsule includes materials for: Mock Macroinvertebrate Collection, Aquatic Food Chains*, Watershed Boundaries (Paper watershed)*, Who Polluted the Potomac*, Macroinvertebrate Mix and Match, Enviroscope Watershed Model, Schoolyard Mapping, Land Use Change Over Time, and Classroom Stewardship Project*.</li> </ul> <p>*Means that you may need to supply some materials on your own.</p>

Standards of Learning



Science

- K.5 The student will investigate and understand that water flows and has properties that can be observed and tested.
- K.7 The student will investigate and understand that plants and animals have basic needs and life processes.
- K.11 The student will investigate and understand that humans use resources.
- 1.8 The student will investigate and understand that natural resources can be used responsibly.
- 2.4 The student will investigate and understand that plants and animals undergo a series of orderly changes as they grow and develop.
- 3.5 The student will investigate and understand that aquatic and terrestrial ecosystems support a diversity of organisms.
- 3.10 The student will investigate and understand that natural events and humans influence an ecosystem.
- 4.2 The student will investigate and understand that plants and animals have structures that distinguish them from one another and play vital roles in their ability to survive.
- 4.3 The student will investigate and understand that organisms, including humans, interact with one another and with the nonliving components in the ecosystem.
- 4.8 The student will investigate and understand that Virginia has important natural resources. Key concepts include a) watersheds and water.
- 6.8 The student will investigate and understand that land and water have roles in watershed systems.
- LS.9 The student will investigate and understand that relationships exist between ecosystem dynamics and human activity.
- ES.8 The student will investigate and understand that freshwater resources influence and are influenced by geologic processes and human activities.
- BIO.8 The student will investigate and understand there are dynamic equilibria within populations, communities, and ecosystems. Key concepts include b) nutrients cycle with energy flow through ecosystems; d) natural events and human activities influence local and global ecosystems and may affect the flora and fauna of Virginia.