



Wonders of Water  
Grade 6  
Junior Program: Water Biodiversity



**Description:**

Students will be learning about the biodiversity of natural water communities by utilizing scientific inquiry and research skills to identify invertebrate organisms. After completing identification of the species, students will complete a biodiversity and resilience activity that will give them an opportunity to study interrelationships and the impact biodiversity has on stability of an ecosystem.

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**Curriculum Links - Grade 6 Understanding Life Systems: Biodiversity**

**Overall Expectations:**

2. Investigate the characteristics of living things, and classify diverse organisms according to specific characteristics
3. Demonstrate an understanding of biodiversity, its contributions to the stability of natural systems, and its benefits to humans

**Specific Expectations:**

- 1.3 Assess the impact on local and global water systems of a scientific discovery or technological innovation
  - 2.3 Test water samples for a variety of chemical characteristics
  - 2.5 Use technological problem-solving skills to design, build, and test a water system device that performs a practical function or meets a need
  - 3.2 Demonstrate an understanding of the watershed as a fundamental geographic unit, and explain how it relates to water management and planning
  - 3.3 Explain how human and natural factors cause changes in the water table
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**Key Vocabulary:**

Classification  
Biodiversity  
Invertebrate

Characteristics  
Natural community  
Stability

Organism  
Interrelationships