

**LESSON PLAN 4: STREAM FOOD WEBS**

**MIDDLE SCHOOL STANDARDS ADDRESSED:**

Pennsylvania	<p><b>4.1.7.A.: Describe the relationships between biotic and abiotic components of an ecosystem.</b></p> <ul style="list-style-type: none"><li>● Compare and contrast different biomes and their characteristics.</li><li>● Describe symbiotic and predator/prey relationships.</li></ul> <p><b>4.1.7.C.: Explain the flow of energy within an ecosystem.</b></p> <ul style="list-style-type: none"><li>● Compare and contrast the flow of energy between organisms in different habitats.</li><li>● Explain the concept of trophic levels.</li></ul>
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**HIGH SCHOOL STANDARDS ADDRESSED:**

Pennsylvania	<p><b>4.1.10.C. Evaluate the efficiency of energy flow within a food web.</b></p> <ul style="list-style-type: none"><li>● Describe how energy is converted from one form to another as it moves through a food web (photosynthetic, geothermal).</li></ul> <p><b>4.1.12.C: Research how humans affect energy flow within an ecosystem.</b></p> <ul style="list-style-type: none"><li>● Describe the impact of industrial, agricultural, and commercial enterprises on an ecosystem.</li></ul>
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