

**LESSON PLAN 4: STREAM FOOD WEBS**

**MIDDLE SCHOOL STANDARDS ADDRESSED:**

West Virginia	<p><b>S.6.LS.1: Students will construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.</b></p> <p><b>S.6.LS.5: Students will analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.</b></p> <p><b>S.6.LS.6: Students will develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.</b></p>
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**HIGH SCHOOL STANDARDS ADDRESSED:**

West Virginia	<p><b>S.10.LS.8: Students will use mathematical representations to support claims for the cycling of matter and flow of energy among organisms in an ecosystem.</b></p> <p><b>S.10.LS.12: Students will evaluate the claims, evidence, and reasoning that the complex interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions, but changing conditions may result in a new ecosystem.</b></p>
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