

LESSON PLAN 2: SPECIATION AND DIVERSITY IN APPALACHIA

MIDDLE SCHOOL STANDARDS ADDRESSED:

West Virginia	<p>S.6.LS.7: Students will construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.</p> <p>S.8.LS.2: Students will construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.</p>
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HIGH SCHOOL STANDARDS ADDRESSED:

West Virginia	<p>S.10.LS.11: Students will use mathematical representations to support and revise explanations based on evidence about factors affecting biodiversity and populations in ecosystems of different scales.</p> <p>S.10.LS.13: Students will design, evaluate, and refine a solution for reducing the impacts of human activities on the environment and biodiversity.</p> <p>S.10.LS.15: Students will create or revise a simulation to test a solution to mitigate adverse impacts of human activity on biodiversity.</p> <p>S.HS.ENV.10: Students will analyze biological diversity as it relates to the stability of an ecosystem.</p>
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