Hellbender Education

LESSON PLAN 1: GENERAL ECOLOGICAL CONCEPTS

MIDDLE SCHOOL STANDARDS ADDRESSED:

West Virginia	**S.6.LS.1: Students will construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.** **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.**

HIGH SCHOOL STANDARDS ADDRESSED:

West Virginia	**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.** **S.10.LS.10: Students will use mathematical and/or computational representations to support explanations of factors that affect carrying capacity of ecosystems at different scales.** **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.**