Module	Science Investigation	Resulting Possible Stewardship Action/Project
Water Canaries	 Students will collect benthic macroinvertebrates (macros) from streams with nets and classify and identify them using a dichotomous key. Using macros as water quality indicators, students will determine stream health. 	 Determining stream health serves to engage students in further investigating issues associated with water quality. Students may join a local stream monitoring group to examine the health of streams in their own community. Field study may increase awareness of the need for individual action.
Exotic Invaders	• Using a dichotomous key (decision tree) for plant identification, students will identify and quantify the percentage of exotic and invasive plant species present in a national park.	• Students may engage in a service project such as volunteer removal of invasive exotic plants from area national parks.
Talkin' Trash	 Students will investigate the impact of litter on a stream. Students will collect, sort, and weigh all trash they have collected as a group. Students will compute the percentage of recyclables by weight and volume 	 Students may make inferences about lifestyle and consumer choices, and how these choices have lasting impact on their watershed. Students may consider ways to address trash problem both school-wide and through personal action. Students may explore best management practices for reducing and eliminating litter. Students may create a trash free school plan.

Watershed Watchdogs	• Students will determine a Water Quality Index of a stream using nine physical or chemical parameters.	 Determining stream health serves to engage students in further investigating issues associated with water quality. Students may join a local stream monitoring group to examine the health of streams in their own community.
Don't Get Sedimental	 Students will examine the impact of land use on streams and will explore the sources of sediment. Students will determine a stream's habitat rating based upon abiotic, biotic, and cultural factors. 	 Determining stream health serves to engage students in further investigating issues associated with water quality. Students may join a local stream monitoring group to examine the health of streams in their own community.
Sustainability	 Students will assess the sustainability efforts of an individual park in the categories of waste, water, energy, and transportation. Students will explore renewable energy devices such as wind turbines and solar panels. 	• Students will consider ways to be more sustainable both school-wide and through personal action.