

Water Quality Monitoring - Macroinvertebrates

THIS LESSON COMPLEMENTS THE FOLLOWING SCIENCE KITS:

Diversity of Life | Populations and Ecosystems | Ecosystems | Environments
Microworlds | Organisms: From Macro to Micro

NEXT GENERATION SCIENCE STANDARDS (NGSS)

MS-ETS1-2 Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.

MS-ETS1-1 Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking in to account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.

MS-ESS3-3 Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

MS-LS2-1 Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.

MS-LS2-4 Construct an argument supported by empirical evidence that changes to a physical or biological components of an ecosystem affect populations.