

# NEW!

## Classroom presentations and activities

*Would you like a presenter to come to your class or youth group?*

We've developed a wide selection of presentations based on the Adopt-A-Stream program designed for various grade levels, and cover a range of subject areas based on water quality monitoring as a learning tool. The presentations are divided into three categories: *Watershed, Survey, and Monitoring*. See the chart below for specific listings.

- A. The *Watershed* presentations offer an **introduction** to the watershed concept, and emphasize that what flows through the watershed has an impact on all living things within it.
- B. *Survey* presentations study **physical characteristics** and exploration of a stream.
- C. *Monitoring* is a more in-depth study of the **chemical characteristics and biological life** inhabiting the stream.

### Watershed

K-2	An Imaginary River	Indoors	30 minutes	Design a miniature river system and be able to explain the concept of a watershed.
K-2	Water Sounds and Sights	Indoors	30 minutes	Identify water-related sounds and their sources at a stream and explore their own thoughts and feelings about aquatic environments
6-8	Pollution: where, what, who?	Indoors	60 minutes	Identify different types of water pollution and describe the differences between point and nonpoint source pollution.
6-8	Cattail Pond	Indoors	60 minutes	Evaluate the impact of land use on wetland habitats and discuss lifestyle changes needed to minimize nonpoint source pollution.
6-12	Part I: Mapping Your Watershed	Indoors/ Outdoors	60 minutes	Investigate the concept of a watershed, identify a river's watershed system, and describe the immediate watershed in which they live.
8-12	Part II: Watershed Walk	Indoors/ Outdoors	60 minutes	Understand the concept of a watershed, identify factors influencing their watershed, and describe the immediate watershed in which they live.

## Survey

K-2	Stream Habitat Journey	Outdoors. Prerequisite: safe access to a stream; one adult per 5 students.	45 minutes	Discover the role of a stream in providing habitat for wildlife and state examples of living and non-living objects in the stream.
6-12	Part I: Flowing Down the River	Outdoors	60 minutes	Learn the significance of the speed and volume and apply mathematical formulas to real life situations when they compute the speed of a stream and its flow rate.
9-12	Part II: Stream Channel Cross-section	Outdoors	60 minutes	Document changes in stream-channel shape or stream profile, by measuring the stream channel cross-section.

## Monitoring

K-2	Young and Adult stages of Aquatic Animals: Are You Me? Game.	Indoors	60 minutes	Identify various young stages of aquatic animals and match them with corresponding adult stages.
3-6	Adopt-A-Stream Water Detectives	Outdoors	Two 60-minute sessions	Conduct a biological assessment to determine the health of a stream.
6-8	Adopt-A-Stream Chemical Monitoring I	Indoors/ Outdoors	Two 60-minute sessions	Investigate water quality of a stream by performing chemical water quality tests and interpreting the data.
6-12	Water Quality and BUGS???!!!	Outdoors	60 minutes	Learn how to evaluate the quality of a stream based on the diversity of aquatic macroinvertebrates found.
9-12	Adopt-A-Stream Chemical Monitoring II	Indoors/ Outdoors	60 minutes	Perform chemical water quality tests and interpret the data to determine if a waterway is healthy.