

Cacapon Institute Educational Enrichment Program

Working with teachers and students to enrich science learning

Program Steering Committee

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Support for this program comes from

the US EPA,

the MARPAT Foundation,

Cacapon Institute members, and

Partner Schools

ABOUT THE PROGRAM

Program activities range from half-day events for an entire grade-level, to 45-minute interactive discussions for a single class. They are tailored to suit the needs of your students. There is **no cost to you, your students or your school**, but our resources are limited so we schedule activities on a first-come-first served basis subject to the availability of funds. A partial list of activities available includes:

Around the Bend Students analyze mock water quality samples to deduce the condition of a river, and the likely human activities occurring "around the bend." Best for 9th through 12th grade.

How Watersheds Work Uses a question-driven approach, and simple drawings to illustrate how water flows through a watershed, and how what people do within a watershed can promote or harm watershed functioning. Can be tailored to suit almost any grade level.

Keep Well Water Study. This two-session activity takes place over three days. The students learn how to test for bacteria in their drinking water, conduct the test, and then analyze and discuss the results. Best for high school students.

Stream in an Envelope Water Quality Exercise. Students identify and tally amazing stream "critters" and then calculate a stream score using a standardized protocol. This leads to a discussion of factors affecting stream quality, watershed services and conservation, and the shared nature of water resources. Great for middle school students.

Drawing Scientific Conclusions. Students analyze and graph locally-generated quantitative data on drinking water quality. A good way to learn about using scientific data, and how water relates to human health. Best for high school students

Watershed Stewardship Fairs. During this three-hour activity, students rotate between concurrent mini-demonstrations given by local natural resource professionals. Total group size can range from 30 to 100 students. After the demonstrations, students participate in a panel discussion with the presenters. Best at the middle school level.

TO SCHEDULE AN ACTIVITY

To discuss the program or schedule an activity you can call us at 304-856-1385, or 304-749-7733. Some activities require purchase of materials or coordination with partners, so quantities are limited and advanced notice is important.

WHO IS CACAPON INSTITUTE?

Cacapon Institute is a science and education-based conservation non-profit organization with 18 years of experience in the Potomac Highlands. We have experience doing water quality research, college instruction, forestry training programs, and environmental education. We have worked with 4th through 12th graders, in classrooms, gymnasiums, streams, and forests. In the last four years, in partnership with teachers, we have reached over 1100 students in eight local schools.



Cacapon Institute

Using Science and Education to Conserve Appalachian Watersheds

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