

**2010 Environmental Issue:
Protecting Groundwater
Through Urban, Agricultural,
& Environmental Planning**



2010 Dates

Area Training Workshop: February 27, 2010
Goochland County #5 Fire Station

Local Competition: March TBA, 2010
Camp Hanover

Area III Competition: April 21, 2010
Camp Brady Saunders

VA State Competition: May 16-17, 2010
Smith Mountain Lake 4-H Center

Canon National Envirothon: August 1-7, 2010
California State University, Fresno, CA



Fort Defiance HS in Augusta County places 8th
in 2009 Canon North American Envirothon

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Virginia Envirothon Website:
<http://www.vaswcd.org/envirothon.htm>

ENVIROTHON

A Natural Challenge



2008 Atlee High School
Envirothon Team

Sponsored by:

**Hanover-Caroline
Soil & Water
Conservation District**

**Virginia Association of
Soil & Water
Conservation Districts**

The Virginia Envirothon

The Virginia Envirothon is a natural resources competition for high school students. Students who participate learn stewardship and management concepts and work to solve real and hypothetical environmental problems. The program is field oriented, community based and gives students an opportunity to work with natural resource professionals.

Teams of five students compete in the areas of:



Soils



Forestry



Aquatics



Wildlife



Environmental Issue



Oral Presentation

The competitions involve “in-the-field” test stations, written quizzes, and hands-on problem solving questions.

Students also give an oral presentation in which they provide solutions to a real-world environmental problem. This environmental topic changes each year.

Envirothon Goals

1. To promote a desire to learn more about the natural environment and develop knowledge and skills to apply the basic principles and practices of resource management and ecology.
2. To promote stewardship of natural resources and develop the critical thinking skills, cooperative problem-solving skills, and decision-making skills necessary for students to balance quality of life and quality of the environment.
3. To provide students with experience in environmentally-oriented activities that enables them to become environmentally aware, action-oriented citizens.



Coach's Handbook

The Envirothon Coach's Handbook will help you and your team prepare for the Envirothon. To obtain a copy, please contact Hanover-Caroline SWCD.

Resources

Hanover-Caroline SWCD has a variety of resources which may be provided or loaned to your team. These resources include videos, activity kits, compact discs, and resource handouts.

Standards of Learning

The Virginia Association of Soil and Water Conservation Districts in conjunction with The Department of Education, have correlated the Envirothon Learning Objectives to the Virginia Standards of Learning. To obtain a copy, visit the Virginia Envirothon web page:

<http://www.vaswcd.org/envirothon.htm>



Sample Learning Objectives

- Describe the chemical and physical properties of water and explain their implications for freshwater and saltwater ecosystems.
- Identify limiting factors that affect wildlife population growth and identify factors that can enhance population growth.
- Describe basic soil properties and soil formation factors.
- Understand how wildlife habitat relates to forest communities and riparian zones.