

# MIDDLE SCHOOL FIELD TRIPS

## Catoctin Creek Nature Center

2929 Sumantown Road, Middletown MD 21769 • 301-600-2051



### FOREST ECOLOGY - Grades 6-8

#### FCPS Science Standards

SC.600.10: A, B C; SC.600.30: F

SC.700.10: A, B, C; SC.700.30: F; SC.700.60: B.3

SC.800.10: A, B, C; SC.800.60: B

#### Program Time: 2 hrs 15 min

Students discover how ecologists and other stewards of the forest collect and analyze data in order to understand woodland changes over time. Students learn to identify Maryland native trees, assess the age of the forest, and gain hands-on experience collecting & analyzing forest ecology data in the field. In addition, students will learn about tree conservation projects to save the American Chestnut Tree. ***This program is available April through October.***



### GREEN TECHNOLOGIES - Grades 6-8

#### FCPS Science Standards

SC.600.10: A, B, C;

SC.700.10: A, B, C; SC.700.30: F; SC.700.50: B

SC.800.10: A, B and C; SC 800.50: B

#### Program Time: 2 hrs 15 min

Students will explore the green energy technologies used in the construction of Catoctin Creek Nature Center and discuss natural resource conservation issues here in the United States. Students will have the chance to conduct a brief energy survey of Catoctin Creek Nature Center, monitor the digital weather station, tour the nature center's green roof, build their own green roofs, learn about solar ovens, geothermal energy and other green energy practices. Space is limited. Please call the nature center before making a reservation.

***This program available all year.***



### STREAM ECOLOGY - Grades 7-8

#### FCPS Science Standards

SC.700.10: A, B, C; SC.700.30: F; SC.700.60: B

SC.800.10: A, B, C; SC.800.60: B

#### Program Time: 2 hrs 15 min

Students will investigate the health of Catoctin Creek through macroinvertebrate (stream insect) surveys, and water chemistry investigations. Students will review past macroinvertebrate surveys and compare them with the data they collected at the site. They will discuss different abiotic factors that may influence the results of their survey and the importance of conducting long-term studies to determine the overall health of the stream. Students will be walking in the creek therefore they should wear old, close-toed shoes. No open-toed footwear or Crocs. ***Limited to 25 students in the creek at one time. This program is available April through October.***



**To make a reservation for your school, Please call our main office at 301-600-1646**