Each grade level K-5 has an Environmental Issue Investigation unit that focuses on various issues. Grade four students utilize the school grounds and focus on Interdependent Relationships in Ecosystems. Students are comparing the diversity of living things in different areas to predict and analyze how organisms are meeting their needs. Students also examine how various factors in their local ecosystem may impact the Chesapeake Bay Ecosystem.

CCPS has been a leader in drafting eight science and five social studies Maryland Environmental Literacy Partnership (MELP) curriculum modules for integration into existing science and social studies courses. The project goal is to integrate the MELP modules into the curricula so that all high school students will directly engage in environmental issues investigations and related action projects.

Every sixth grader in Carroll County has the opportunity to attend Outdoor School, Carroll County's five day residential environmental school.

The mission of Outdoor School is to empower students to act upon their environmental knowledge and skills. Students learn about different aspects of the environment and then have the opportunity to put their knowledge in to action by participating in a service project such as tree planting to improve the riparian buffers, maintaining habitat plantings and other worthwhile projects aligned to Environmental Literacy Standards.