



Addressing climate change consequences such as heatwaves, extreme weather, air quality, and food safety concerns, the Climate Explorers pilot program will introduce students to fundamental climate change principles and Montgomery County's role in both contributing to and mitigating the climate crisis as well as guiding students in creating strategies to lower greenhouse gas emissions in their high schools.

Project Overview

The Climate Explorers Pilot Program is a 5-session 8-hour after school program to be offered to students in two Montgomery County schools in partnership with school-based educators, community leaders and experts in climate change. The objectives of the Climate Explorers program are

- 1) to introduce Montgomery County high school students to the primary ways Montgomery County contributes to the climate change crisis and to understand local GHG reduction plans;
- 2) to engage students in community-based activities to identify and measure current or potential consequences of climate change, including climate resiliency and emergency planning
- 3) to develop plans to meet or exceed institutional and/or government targets to reduce GHG emissions from their schools and
- 4) to present the program's results to the broader community.

TIMELINE

The Climate Explores pilot program runs in the Spring of 2024, meeting five times total, with additional optional opportunities. A recognition program will be held at the end of the sessions.

SKILLS YOU WILL BE LEARNING

- Temperature (surface and air) measurement
- Scientific analysis of data
- Team-building
- Presentations
- Leadership

OTHER BENEFITS

- Student service learning hours
- Support for related capstone projects or assignments
- Advice on environmental science careers
- Possible Internship Opportunities

Eligibility

You should be in 9th-12th grade in the fall attending any high school in Montgomery County. You should be able to commit to attending all five program sessions. Fill out the application form at <https://bit.ly/2ScTLJ3> and submit the completed form by the specified date. Materials and transportation to field work sites and the laboratory will be provided.

Project Managers

Wendy Howard

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Our Mission

One Montgomery Green is a nonprofit organization, 501 (c) (3), whose mission is to develop and promote models for a sustainable, just, and regenerative Montgomery County, MD by engaging stakeholders, fostering partnerships with local businesses and promoting educational projects for a verdant and equitable economy.