Environmental Studies Program
at CBF’s Brock Environmental Center
Presentation Overview

Purpose of the Program
Innovative Learning
Student Opportunities
Chesapeake Bay Foundation Partnership (CBF)
Facility
Frequently Asked Questions
The goal of the Environmental Studies Program is to empower students in the program to broaden their understanding of sustainability through:

- Utilizing the natural community as a context for learning about environmental and sustainability issues
- Implementing environmental service learning projects
- Integrating interdisciplinary instruction
- Incorporating challenge-based, collaborative, and design thinking learning
Innovative Learning Designs

• Connecting to a community of learners
• Empowering students to lead their own learning
• Learning in context
• Investing in deeper learning
• Internships and mentoring
Post Secondary Opportunities

Connected College Majors

• Sustainability studies
• Environmental science
• Biology
• Urban planning
• Marine ecology
• Law and public policy
• Natural resources management
• Human ecology
• Agricultural management
• Architecture/Engineering
Career Opportunities

Connected Careers

• Chief sustainability officer
• Energy manager
• Water resource engineer
• Wetland specialist
• Educator
• Lawyer
• Environmental planner
• Wildlife biologist
• Watershed science technician
• Soil conservation technician
Course Structure

AM

PM
Longstanding Partnership with CBF

**Elementary Science:**
- We all Live Downstream
- Grade 4, unit 3: Earth Resources
- Human impact and care for the environment

**Secondary Science:**
- Environmental Literacy Program with CBF
- Teacher professional development sessions
- College courses for teachers
- Unit performance tasks
Why the Brock Center?

Brock Environmental Center:
• Living shorelines
• Habitat restoration
• Water quality improvement
• Oyster reefs
• Largest estuary
• Approximately 3,600 species of plants and animals
• Net-zero energy building
• The 10th living building in the country to achieve full Living Building Challenge (LBC) certification
• The first Commercial Building in the Continental US to receive a permit to drink treated rainwater.
• Best example of off-grid operations in VA
Why a Classroom at the Brock Center?
Facility Conceptual Design
Frequently Asked Questions

• Will the classroom be as sustainable as the Brock Center?
  • It will be built to the standard of the Brock Center.

• Will there be additional wind turbines added to Pleasure House Point?
  • No, the classroom will rely on solar panels.

• Where will the school buses and students park?
  • Bus drop off on Marlin Bay Drive + street parking

• How large will the classroom be?
  • Large enough to hold 25-30 students per class.

• When will the classroom open?
  • Fall 2020

• Next Steps?
  • We are currently in the conceptual design phase. As the design comes together we will reach out so you have an opportunity to see it and comment on it.

Additional information can be found by visiting: www.cbf.org/Brockclassroom
Questions?