

ARTHUR SHERWOOD STUDY CENTER

At Meredith Creek, 1750 Colbert Rd., Annapolis, MD 21409



THE CENTER

The Arthur Sherwood Study Center is the oldest of the Chesapeake Bay Foundation's environmental education programs. It is located near Meredith Creek north of Annapolis, on a 40-acre preserve that includes various wildlife habitats and a series of trails. Meredith Creek, which empties into Whitehall Bay, is a one-mile long tidal tributary with a shoreline featuring agricultural, residential, and wooded areas—a prime location for relating land use to water quality.

Combining the resources of a fully equipped research vessel with the hands-on experience of flat water canoes, the Arthur Sherwood program allows students to gain a more complete understanding and appreciation of the ecosystem.

All of CBF's boat programs are equipped with state-of-the-art water quality monitoring equipment. This allows groups to generate data instantaneously, including pH, temperature, dissolved oxygen, salinity, and other indicators to build a complete picture of the health of the river. Participants can then compare their findings to the data of professional Bay scientists through an on-board wireless laptop.



PROGRAM DESCRIPTION

The goal of the Arthur Sherwood Study Center program is to foster an understanding of the role humans play in estuarine ecology. By studying the various organisms and plants within the creek and the Bay, participants can draw connections between the different life forms in the Bay, as well as identify species adaptations. While at the center, students will explore the tidal marshes of the creek, and catch and identify some of the resident animal life. Through these activities, they will develop an appreciation for the ecosystem and an understanding of how all parts of it are connected—including man's influence on the the Bay. Participants are usually divided into two smaller groups to utilize both our workboat, the *Marguerite*, and the study center canoes.

PROGRAM CONCEPTS

Below is a brief list of some concepts and activities that may be emphasized during your day. The staff of the Arthur Sherwood Study Center will work with you during the pre-program phone call to tailor your experience so that it complements your classroom content.

- Estuarine food chain
- Fisheries management
- Oyster reef ecology
- Conservation behaviors
- Sedimentation, eutrophication
- Point source/ non-point source pollution
- Livelihoods on the Bay
- Mapping skills
- Marsh characteristics
- Watershed dynamics

SAMPLE PROGRAM

For grades four and up. Maximum capacity is 30 participants (including chaperones).

To apply for a field experience, visit our website at cbf.org/apply. For inquiries, contact the CBF Scheduling Department at 410/268-8816.

- Introduction to the day's activities
- Shallow water/wetland activities
- Return to dock
- Lunch
- Deep water/oystering activities
- Return to dock
- Summary and wrap up
- Board bus to depart



CHESAPEAKE BAY FOUNDATION
Saving a National Treasure