



The Battleship North Carolina is proud to offer *Raindrop Journey & Cape Fear River Enviroscape* educational programs offered by Cape Fear River Watch for school groups.

Raindrop Journey (3rd – 5th grades)

- **3rd Grade science curriculum** – Ecosystems 3.L.2
Essential Standard – Understand how plants survive in their environments
- 3.L.2.2 – Explain how environmental conditions determine how well plants survive and grow.
- **4th Grade science curriculum** – Ecosystems 4.L.1
Essential Standard – Understand the effects of environmental changes, adaptations and behaviors that enable animals (including humans) to survive in changing habitats.
- 4.L.1.1 – Give examples of changes in an organism’s environment that are beneficial to it and some that are harmful.
- 4.L.1.3 – Explain how humans can adapt their behavior to live in changing habitats (e.g., recycling wastes, establishing rain gardens, planting trees and shrubs to prevent flooding and erosion).
- **5th Grade science curriculum** – Ecosystems 5.L.2
Essential Standard – Understand the interdependence of plants and animals with their ecosystem.
- 5.L.2.1 – Compare the characteristics of several common ecosystems, including estuaries and salt marshes, oceans, lakes and ponds, forests and grasslands.
- 5.L.2.3 – Infer the effects that may result from the interconnected relationship of plants and animals to their ecosystem.

Cape Fear River Enviroscape (Middle & High School grades)

- **7th Grade science curriculum** – Earth Systems, Structures and Processes
Essential Standard – Understand how the cycling of matter (water and gases) in and out of the atmosphere relates to Earth’s atmosphere, weather and climate and the effects of the atmosphere on humans.
- 7.E.1.6 – Conclude that the good health of humans requires monitoring the atmosphere, maintaining air quality and stewardship.

- **8th Grade science curriculum** – Earth Systems, Structures and Processes
Essential Standard – Understand the hydrosphere and the impact of humans on local systems and the effects of the hydrosphere on humans.
- 8.E.1.1 – Explain the structure of the hydrosphere
- 8.E.1.2 – Summarize evidence that Earth’s oceans are a reservoir of nutrients, minerals, dissolved gases and life forms: ESTUARIES
- 8.E.1.3 – Predict the safety and potability of water supplies in North Carolina based on physical and biological factors
- 8.E.1.4 – Conclude that the good health of humans require...
- **9th Grade Essential Standards: Earth/Environmental Science**
- EEn.2.3 – Explain the structure and processes within the hydrospheres.
- EEn.2.3.2
 - Explain river systems including NC river basins, aquifers, and watersheds.
 - Explain how flood events might be affected by groundwater levels.
- EEn.2.4 Evaluate how humans use water.
- EEn.2.4.1
 - Explain various water uses by humans and evaluate for benefits and consequences of use (ex. wells, aquifer depletion, dams and dam removal, agriculture, recreation).
- EEn.2.4.2 – Evaluate human influences on water quality in North Carolina’s river basins, wetlands and tidal environments
 - Explain how pollutants might flow through a watershed and affect inhabitants that share the same watershed.
 - Evaluate issues of ground and surface water pollution, wetland and estuary degradation, and salt water intrusion.
 - Analyze non-point source pollution and effects on water quality (sedimentation, stormwater runoff, naturally and human induced occurrences of arsenic in groundwater).
 - Evaluate conservation measures to maximize quality and quantity of available freshwater resources.
- EEn.2.6 Analyze patterns of global climate change over time.
- EEn.2.6.1 Differentiate between weather and climate.
- EEn.2.6.3 Analyze the impacts that human activities have on global climate change (such as burning hydrocarbons, greenhouse effect, and deforestation).

Scheduling & Pricing

This program is subject to availability and must be reserved in advance.

The program is \$7 per student plus 7% NC sales tax.

Contact **Shelly Robinson**, leads@battleshipnc.com, [910-399-9101](tel:910-399-9101), to reserve your group’s spot now!