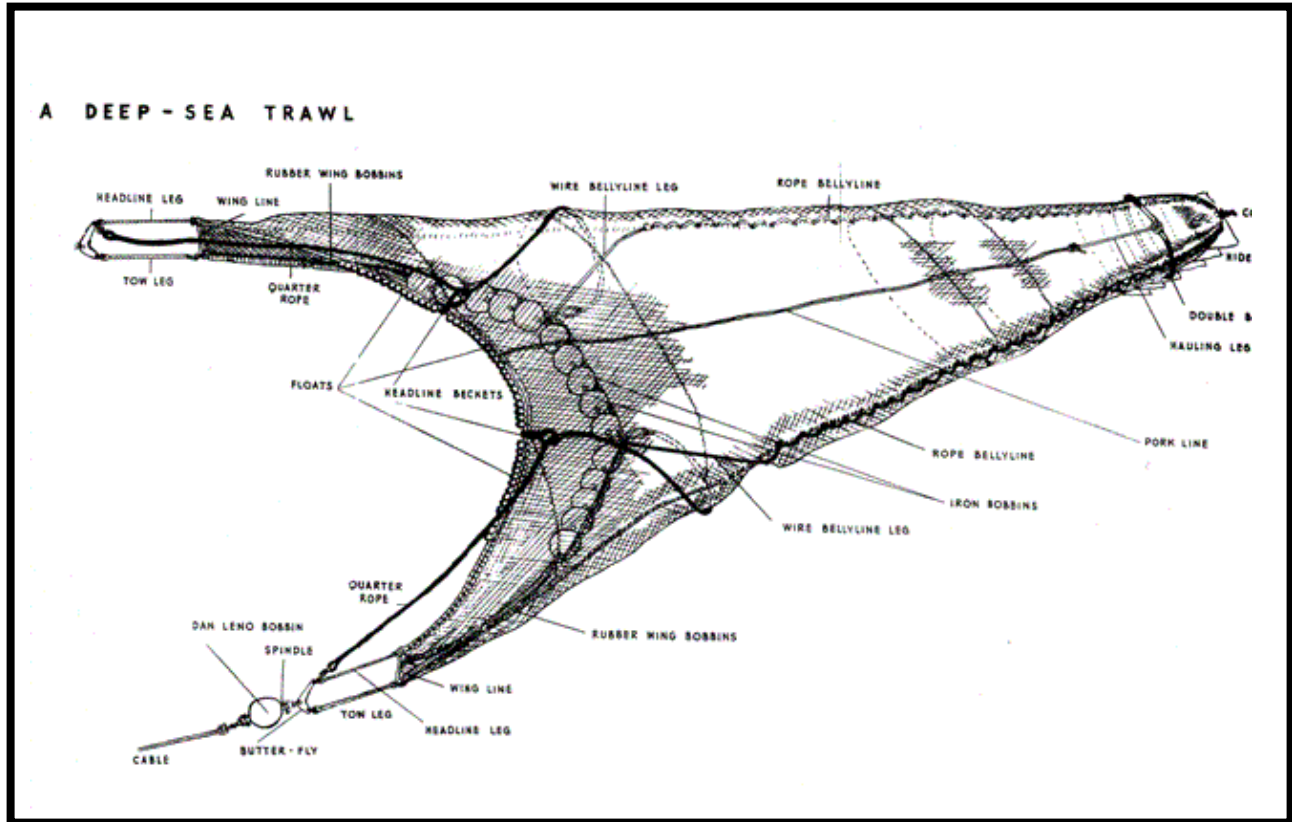


Transit Trawl

Driftwood Education Center



Class Description:

Throw out the net mates! Let's see what we can haul in and study, as we head out on a pontoon boat and look at interesting organisms. Lead by a boat captain and his crew, students will learn about trawling nets, trawl boats, and investigate the organisms that we catch. We will also look for marine mammals that sometimes like to visit the Frederica River. There is an additional fee per student for this class.

This class is appropriate for all grade levels and abilities.

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Transit Trawl

Table of contents and outline:

I. Pre-class set-up

1. Gather TED, or model
2. Be prepared for weather conditions

II. Introduction, overview, and assessment (5 min)

1. What do the students know about trawling
2. Why do we trawl?
3. Hypothesize about what we will find

III. Out to the Boat

1. Working with the captains.
2. Your job and objectives
3. Background information

IV. Conclusions and Wrap-up

1. What did you find?
2. Why is it important?

V. Additional Information and help

1. Different types of nets: pictures

Concepts:

Focal points of this class are:

1. Trawling practices have been adapted over time.
2. Human demand for ocean fish and shrimp outweighs the cost of the by-catch.
3. Intra-coastal waterways and intertidal zones are nurseries for young organisms

Outcomes:

Upon completion of this class, students will be able to:

1. Examine the benefits and losses of Trawling to humans.
2. Understand and identify the species found in the intertidal zone
3. Examine different methods to reduce by-catch from trawling.

Georgia Performance Standards met:

- S4L1.** Students will describe the roles of organisms and the flow of energy within an ecosystem.
- S5CS8.** Students will understand important features of the process of scientific inquiry.
- S6CS9.** Students will understand important features of the process of scientific inquiry.
- S6E6.** Students will describe various sources of energy and with their uses and conservation.
- S6CS9.** Students will understand important features of the process of scientific inquiry.
- S7L1.** Students will investigate the diversity of living organisms and how they can be compared scientifically.

National Standards met:

NS.K-4.3 LIFE SCIENCE

As a result of activities in grades K-4, all students should develop understanding of

- The characteristics of organisms
- Life cycles of organisms
- Organisms and environments

NS.5-8.3 LIFE SCIENCE

As a result of their activities in grades 5-8, all students should develop understanding

- Structure and function in living systems
- Regulation and behavior
- Populations and ecosystems
- Diversity and adaptations of organisms

NS.9-12.3 LIFE SCIENCE

As a result of their activities in grades 9-12, all students should develop understanding of

- Interdependence of organisms
- Behavior of organisms

NS.9-12.6 PERSONAL AND SOCIAL PERSPECTIVES

As a result of activities in grades 9-12, all students should develop understanding of

- Population growth
- Natural resources
- Environmental quality

