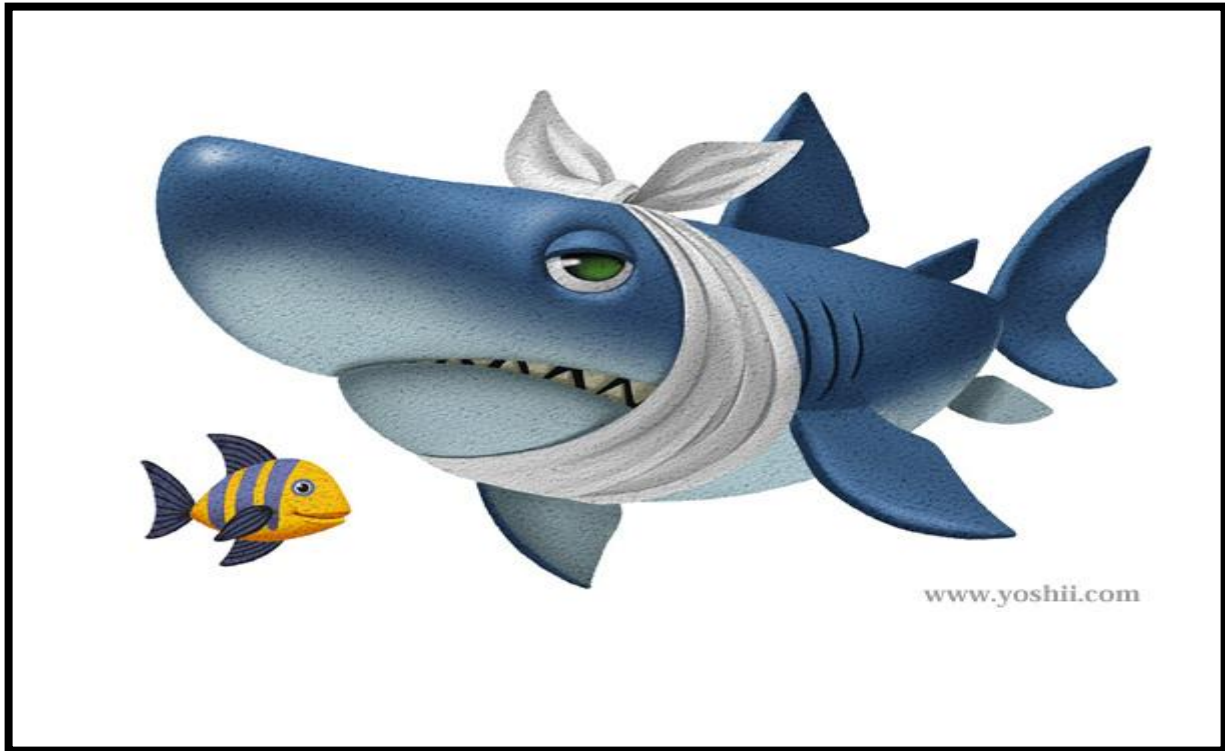




Shark Dissection

Driftwood Education Center



Class Description:

Underneath the murky waters of Southeast Georgia live a large number of shark species. Join us as we uncover the mysteries and myths behind these elusive creatures. In this class students will dissect a dogfish shark, learn about the six senses of sharks, and how they compare to humans and other animals.

This class is appropriate for all grade levels

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SHARK DISSECTION

Table of contents and outline:

II. Introduction, overview, and assessment

1. Review expectations
2. Practice a call and response for the class.
3. Remind students about the purpose of dissection.

III. Taxonomic Classification

1. Review briefly Taxonomic Classification
2. Discuss species of shark they are dissecting

IV. External Anatomy

1. Discuss 6 senses of sharks
2. Discuss and identify external anatomy

V. Internal Anatomy

1. Discuss and dissect the internal anatomy

VI. Conclusion

1. Review

VII. Clean Up

1. Return items to the ocean motion room.

S. Carolina Performance Standards met

5th Grade: Life Science IB1: Label the parts and distinguish among the functions of the major organs of the respiratory system
2. Label the parts and distinguish among the function of the major organs of the circulatory system.

6th Grade: Life Science IIC: An organism's behavior evolves through adaptation to its environment.

7th and 8th Grade: Life Science IC: Living systems at all levels of organization demonstrate the complementary nature of structure and function.

Concepts:

Focal points of this class are:

1. Through dissection and investigation we can learn more about ourselves.
2. Adaptations allow an animal to survive

Outcomes:

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

1. Compare the anatomy of a shark to human anatomy and explain differences and similarities.
2. List adaptations that help sharks survive.

Georgia Performance Standards met or exceeded

5th Grade:

1. S5CS1. Students will be aware of the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

2. S5L1. a. Demonstrate how animals are sorted into groups (vertebrate and invertebrate) and how vertebrates are sorted into groups (fish, amphibian, reptile, bird, and mammal).

6th Grade:

1. S6CS1. Students will explore the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

2. S6CS2.a. b. Students will investigate the features of the process of scientific inquiry

3. S6CS9. e. The ethics of science require that special care must be taken and used for human subjects and animals in scientific research. Scientists must adhere to the appropriate rules and guidelines when conducting research.

7th and 8th Grade:

1. S7CS5.a. Observe and explain how parts can be related to other parts in a system such as Predator/prey relationships in a community/ecosystem.

2. S7CS9/S8CS9.g. Students will investigate the features of the process of scientific inquiry.

3. S7CS1/S8CS1. Students will explore the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

Florida Performance Standards met

5th Grade: SC.F.1.2: The student describes patterns of structure and function in living things.