

OCEAN EXPERT EXCHANGE EDUCATOR RESOURCES

TOPIC – *Dolphins Go Wild in Southeast Florida - "So long, and thanks for all the fish."*

FEATURED EXPERT – *Dr. Barbara Brunnick of Taras Oceanographic Foundation*

RELATED LEARNING STANDARDS

OCEAN LITERACY PRINCIPLES - Principle #5: The ocean supports a great diversity of life and ecosystems.

Principle #6: The ocean and humans are inextricably interconnected.

NEXT GENERATION SUNSHINE STATE STANDARDS -

SC.4.L.17.4: Recognize ways plants and animals, including humans, can impact the environment.

SC.4.N.1.3: Explain that science does not always follow a rigidly defined method ("the scientific method") but that science does involve the use of observations and empirical evidence.

SC.5.L.17.1: Compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles variations, animal behaviors and physical characteristics.

SC.7.L.17.3: Describe and investigate various limiting factors in the local ecosystem and their impact on native populations, including food, shelter, water, space, disease, parasitism, predation, and nesting sites.

SC.7.N.1.5: Describe the methods used in the pursuit of a scientific explanation as seen in different fields of science such as biology, geology, and physics.

SC.912.N.1.1: Define a problem based on a specific body of knowledge; pose questions, conduct systematic observations, examine books and other sources of information to see what is already known...

SC.912.N.1.6: Describe how scientific inferences are drawn from scientific observations and provide examples from the content being studied.

SC.912.L.12.1: Discuss the characteristics of populations, such as number of individuals, age structure, density, and pattern of distribution

SUPPLEMENTAL RESOURCES

- Reading – ECO Magazine [Fins Up! A Look At The Palm Beach Dolphin Project](#) (Grades 6-12)
- Reference – International Whaling Commission [Cetacean Species Guide](#) (Grades 4-12)
- Reference – Whale and Dolphin Conservation [Whale and Dolphin Species Guide](#) (Grades 4-12)
- Reference – National Geographic Kids [Bottlenose Dolphins](#) (Grades K-5)
- 3D Model – Digital Life [Bottlenose Dolphin](#) (Grades K-12)
- Video Short – Conch Salad TV [Spotted Dolphins of the Bahamas](#) (Grades K-12)
- Resource Library – Clearwater Marine Aquarium [Dolphin Educational Resources](#) (Grades 1-5)
- Resource Library – Sarasota Dolphin Research Program [Dolphin Conservation for Students](#) (Grades 1-9)
- Video Short – Oceanswell [What is photo identification](#) (Grades 2-12)
- Activity – Clearwater Marine Aquarium [Who are you? Dolphin Photo Identification Activity](#) (Grades 1-6)
- Reading – Clearwater Marine Aquarium [How Wild Dolphin Dorsal Fins Change Over Time](#) (Grades 5-12)
- Lesson – Florida International University [Miami's Dolphins](#) (Grades 6-8)
- Documentary – ChangingSeasTV [Dolphins: Breaking the Code](#) (Grades 6-12)
- Reading – ScienceNewsExplores [Bottlenose dolphin moms baby talk when... calves are near](#) (Grades 4-10)
- Reading – Frontiers for Young Minds [...The Human Footprint on Underwater Soundscapes](#) (Grades 6-12)
- Reading – International Whaling Commission [State of the Cetacean Environment Reports](#) (Grades 9-12)
- Citizen Science – FAU HBOI [Dolphin Spotter: A Land Based Citizen Science Project](#) (Grades 6-12)