

OCEAN EXPERT EXCHANGE EDUCATOR RESOURCES

TOPIC - *Globally Abundant to Critically Endangered: The Conservation Story of the Oceanic Whitetip Shark*

FEATURED EXPERT - *Candace Fields of Florida International University*

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.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.6.N.1.5:** Recognize that science involves creativity, not just in designing experiments, but also in creating explanations that fit evidence.
- 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.8.N.4.1:** Explain that science is one of the processes that can be used to inform decision making at the community, state, national, and international levels.
- SC.8.N.4.2:** Explain how political, social, and economic concerns can affect science, and vice versa.
- 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.L.17.8:** Recognize the consequences of the losses of biodiversity due to catastrophic events, climate changes, human activity, and the introduction of invasive, non-native species.
- SC.912.L.17.20:** Predict the impact of individuals on environmental systems and examine how human lifestyles affect sustainability.

SUPPLEMENTAL RESOURCES

- Reading - ANGARI Foundation [Meet Candace Fields](#) (Grades 5-12)
- Resource Library - Florida Museum of Natural History [Oceanic Whitetip Shark](#) (Grades 6-12)
- Resource Library - NOAA Fisheries [Oceanic Whitetip Shark](#) (Grades 6-12)
- Infographic - Shark Trust [Oceanic Whitetip Shark ID Guide](#) (Grades 6-12)
- Reference - IUCN Red List of Threatened Species [Oceanic Whitetip Shark](#) (Grades 6-12)
- Video Short - Shark Bytes [Creature Feature: Oceanic Whitetip Sharks!](#) (Grades 8-12)
- Video Short - BlueWorldTV [Oceanic Whitetip Sharks! | Shark Academy](#) (Grades 4-8)
- Lesson - NOAA Office for Coastal Management [Sharks – Top Predators of the Open Ocean](#) (Grades 5-8)
- Lesson - Natural Curriculum [Inspired By Nature | Cohesive Devices: Oceanic Whitetip Sharks](#) (Grades 4-7)
- Reading - Phys.org [New research on migratory behavior of oceanic whitetip sharks can help shape conservation strategies](#); PLOS ONE article <https://doi.org/10.1371/journal.pone.0056588> (Grades 9-12)
- Reading - FIU News [Shark biologist teams up with aerospace engineer to discover behaviors of oceanic whitetips](#); Scientific Reports article <https://doi.org/10.1038/s41598-017-18608-z> (Grades 9-12)
- Reading - NOAA Fisheries [Oceanic Whitetip Sharks Recovery Planning Workshop](#) (Grades 10-12)
- Coloring Page - Sharks4Kids [Oceanic Whitetip](#) (Grades K-6)