OCEAN EXPERT EXCHANGE EDUCATOR RESOURCES

TOPIC – ***Sharks – Predator or Prey?***

FEATURED EXPERT – ***Sara Casareto 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.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.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.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.17.4: Describe changes in ecosystems resulting from seasonal variations, climate change and succession.
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.

SUPPLEMENTAL RESOURCES

- Reading – ANGARI Foundation Meet Sara Casareto (Grades 5-12)
- Video Short – Monterey Bay Aquarium Sharks: The Real Story (Grades K-10)
- Curriculum – Monterey Bay Aquarium Fin-tastic Sharks (Grades 3-5)
- Activities – Cabrillo Marine Aquarium Shark Biology, Bingo & other JAW-some Shark Activities (Grades K-3)
- Lesson – Monterey Bay Aquarium Shark Anatomy (Grades 3-5)
- Activity – Florida Museum Shark Species In Depth (Grades 4-8)
- 360 Video/Virtual Fieldtrip – ANGARI Foundation Generation Ocean: Sharks (Grades K-12)
- Lesson – NOAA Office for Coastal Management Sharks - Top Predators of the Open Ocean (Grades 5-8)
- Lesson – NYS Department of Environmental Conservation Food Web & Bioaccumulation (Grades 6-8)
- Reference – NOAA Fisheries International Affairs - Shark Conservation (Grades 7-12)
- Reading – Shark Defenders The Adventures of Shark Stanley and Friends (Grades K-5)
- Resource Library – NOAA Office for Coastal Management National Estuarine Research Reserves (Grades 6-12)
- Infographic – RBNERR, NERR, UNH, NOAA, FDEP Getting the Water Right in the Rookery Bay Estuary (Grades 4-12)
- Reading – FDEP, RBNERR, NOAA, UMD Rookery Bay National Estuarine Research Reserve (Grades 5-12)
- Reading – FDEP & NOAA Rookery Bay Research Reserve Finding Solutions - Shark Nurseries (Grades 6-12)
- Resource Library – Friends of Rookery Bay Rookery Bay National Estuarine Research Reserve (Grades 6-12)
- Reading – Rookery Bay National Estuarine Research Reserve Management Plan - December 2022 (Grades 8-12)