



BAILEY-MATTHEWS
**NATIONAL
SHELL
MUSEUM**

2022-2023

K-12 Programs

Explore the *AMAZING* world of mollusks, their shells, and marine life through **Field Trips, Mollusks Online, or Mollusks on the Move.**

Students and teachers, welcome! The Bailey-Matthews National Shell Museum is excited to offer a range of options for K-12 program formats to allow for the greatest flexibility: in-person field trips, mobile outreach, and online.

This unique natural history museum now features 11 new aquariums and touch pools exhibiting over 60 species of marine life—from a Giant Pacific Octopus to Giant Clams to local mollusks. All guided programs align with Florida's Sunshine State Standards, and each participating student will receive a shell from a native Southwest Florida mollusk, as well as their own shell identification guide to keep.

PRICING, SCHEDULING, SCHOLARSHIP FUNDS

Program prices vary. For up-to-date pricing, or to schedule a program, contact Kelsey Hausmann at khausmann@shellmuseum.org or 239-347-5119.

Scholarship funding for programs and transportation is available on a first-come, first-served basis with a priority for Title I schools in Lee and Collier counties. Contact Kelsey for details.



GUIDED FIELD TRIPS

Visit the Museum to get hands-on learning in the world of mollusks, the second-largest group of animals on the planet! Students will explore aquariums of live mollusks and marine life, touch local mollusks in touch pools, explore the Great Hall of Shells, and participate in a range of fun and interactive educational activities taught by Museum educators. Guided field trips last approximately two hours.



K-SC.K.L.14.1, SC.K.L.14.2, SC.K.L.14.3: Students observe and explore mollusks using four out of the five senses! Activities are designed to introduce students to mollusks and answer basic questions about their shell, diet, and ecosystem.

1-SC.1.L.14.1, SC.1.L.14.3, SC.1.L.17.1: Ever wondered what different mollusks need to survive? This program will help students differentiate between living and nonliving mollusks, as well as identify what mollusks need to survive through observation.

2-SC.2.L.16.1: Students will learn about the life cycle of mollusks that live at the Museum, including the Lightning Whelk. Hands-on activities give students an opportunity to see different stages of the life cycle while exploring the Museum.

3-SC.3.L.15.1: Students dive deeper into the taxonomy of mollusks through scientific observation and the use of a dichotomous key to differentiate between classes and species.

4-SC.4.L.17.2, SC.4.L.17.3, SC.4.L.17.4: The mollusks that call the Museum home are an important part of the food web. In this program, students explore all corners of the Museum to learn about different food webs where mollusks play different roles.

5-SC.5.L.14.2, SC.5.L.17.1: Students will learn about the adaptations of several different mollusks including Giant Pacific Octopus, Queen Conch, and Giant Clam by observing living mollusks and playing interactive games.

**Program overview and standards for grades 6+ available upon request.*



To schedule one of our four programs:

Please contact Kelsey Hausmann at
khausmann@shellmuseum.org
or 239-347-5119.

SELF-GUIDED FIELD TRIPS

Interested in visiting the Museum, but have your own curriculum in mind? We offer self-guided field trips through our aquarium and Great Hall of Shells that allow for greater flexibility with scheduling and transportation.

MOLLUSKS ONLINE

Learn about the fascinating world of mollusks as one of our marine biologists brings the wonders of shells and mollusks virtually to your classroom! Different programs introduce students to many aspects of a mollusk's life including anatomy, growth, diet, reproduction, and their role in the ecosystem. Mollusks Online programs last approximately one hour, and are offered via Zoom and WebEx.

K-SC.K.L.14.2, SC.K.L.14.3: Students are introduced to what it means to be a mollusk in this virtual story! They will learn about a few mollusk characteristics before witnessing those characteristics of mollusks that are at the museum.

1-SC.1.L.14.1, SC.1.L.14.3, SC.1.L.17.1: Students will learn the basics about mollusks and their shells, and get an up-close view of some of the mollusks that call the museum home. Students will discover both the living and nonliving things mollusks need to survive.

2-SC.2.L.16.1: Learn about the journey of Shelley the Queen Conch as she navigates through the seagrass beds of the Caribbean Sea. In this virtual story, students learn about the life cycle of Queen Conchs.

3-SC.3.L.15.1: Students will dive deeper into the characteristics of gastropods and bivalves. They use those characteristics to distinguish and sort multiple specimens before identifying them.

4-SC.4.L.17.2, SC.4.L.17.3, SC.L.13.4: Ever wonder what role mollusks play in the ecosystem? During this presentation, students will discover just that! Mollusks are an important part of many food webs, and their role is demonstrated in a southwest Florida estuary food web.

5-SC.5.L.14.2, SC.5.L.17.1: The anatomy of four different mollusk classes are identified through diagrams, photos, and videos in this presentation.

**Program overview and standards for grades 6+ available upon request.*



MOLLUSKS ON THE MOVE

Can't make it to the Museum for a field trip? We can bring the mollusks to you! In this unique mobile program, a Bailey-Matthews National Shell Museum marine biologist brings local mollusks to your classroom. Hands-on programs introduce students to many aspects of a mollusk's life including anatomy, growth, diet, reproduction, and their role in the ecosystem. All of these experiences include touching live mollusks. Mollusks on the Move programs last approximately one hour.

K-SC.K.L.14.1, SC.K.L.14.2, SC.K.L.14.3: Students learn the basics of what a mollusk is, read a story about different mollusks, and are introduced to different species. Students then explore the shells of mollusks using four senses.

1-SC.1.L.14.1, SC.1.L.14.3, SC.1.N.1.1, SC.1.N.1.2, SC.1.N.1.3: Ever wondered what mollusks need to survive? Students differentiate between living and nonliving mollusks and identify what they need to survive.

2-SC.2.L.16.1: Meet Shelley the Queen Conch! In this interactive story, students watch Shelley's journey through the Caribbean Sea, learning about the life cycle of Queen Conchs and other gastropods.

3-SC.3.L.15.1: Students receive an introduction to taxonomy, learn about different classes of mollusks, and identify shells. Students will sort various shells into the mollusk classes before identifying each one.

4-SC.4.L.17.2, SC.4.L.17.3, SC.4.L.17.4: Ever wondered what it's like to be a part of a mangrove ecosystem? Each student will become a plant or an animal (including mollusks) that are native to the southwest Florida mangrove habitat. Students will learn what role their animal plays in the food web and what role disturbances (human or non-human) play.

5-SC.5.L.14.2, SC.5.L.17.1: Students gain a more in-depth understanding of mollusks and their anatomy in this program. They will watch living mollusks and make qualitative observations about them. By sharing their observations with their classmates, they are able to compare and contrast the anatomy of different species.

**Program overview and standards for grades 6+ available upon request.*

