



## **COASTAL DISCOVERY MUSEUM**

Experience The Lowcountry Up Close

# Field Trip Guide

Since 1985, the Coastal Discovery Museum has offered educational and interactive programs to regional schools and youth-related organizations. These programs are aligned to many of South Carolina's Curriculum Standards and engage students in hands-on, experiential learning. Educational experiences are offered at our Honey Horn campus, at several off-site locations, in your classroom, or online. Children participating in a Coastal Discovery Museum program will have the opportunity to make meaningful connections between the natural history and cultural heritage of the Lowcountry.

**The Coastal Discovery Museum offers a wide variety of hands-on history and natural history programs for school students. Visit the Museum (located on the Historic Honey Horn property) and/or a variety of off-site locations to learn and grow through experiential learning activities.**

[www.coastaldiscovery.org](http://www.coastaldiscovery.org)

# History Experiences

**Native Americans on Hilton Head** – Imagine what coastal life was like thousands of years ago. Use artifacts, drawings, and replicas to learn about who lived here and how they survived. Students will examine Native American pottery and create replica pinch pots using clay. **Social Study Correlations:** K.H.2, K.H.3, K.E.1, 1.H.3, 2.H.3, 3.2.2.ER, 3.2.3.ER

**Cooperation and Conflict: Native Americans and Europeans in Port Royal Sound**  
Explore the interactions the Native Americans in the Port Royal Sound area had with the Europeans who settled there. Discover how trade between the two groups led to cooperation and then became a source of conflict. Students will make (and use) a red dye from dried cochineal bugs which the Native Americans traded to the Europeans for iron tools and other goods. (3rd grade and up). **Social Study Correlations:** 3.2.ER, 3.4.HS, 3.5.HS, 4.1.CO, 4.1.CX, 6.3.CO, 6.3.CE, 6.3.CX, 8.1.CC

**Living History with Captain William Hilton** – Meet Captain William Hilton and hear about how and why his exploration of the Carolina coast in 1663 led to an island being named after him. Learn about life aboard his 17<sup>th</sup> century sailing ship, examine important navigational tools like a chip log (used to determine speed) and a lead line (used to determine water depth), and practice some useful sailors knots. Take your rope home and practice tying knots for your own adventures! (3rd grade and up). **Social Study Correlations:** 3.1.AG, 3.2.ER, 3.4.HS, 3.5.HS, 4.1.CO, 4.1.CE, 4.1.CX, 6.3.P, 8.1.CO, 8.1.P

**16th Century Explorations & Settlements in the Southeast** - Learn about eight different 16th century Spanish and French explorers and their settlement attempts in the Southeastern US. Match information about each explorer with their settlement through informational cards, maps, and reproduction artifacts. Students will make a piece of rope from palm fronds to take with them just like the ones Native Americans made for the French. (4<sup>th</sup> grade and up). **Social Study Correlations:** 3.2 ER, 3.4 HS, 3.5 HS, 3.5 AG, 4.1 CO, 4.1 CX, 6.3, CO, 6.3 CE, 6.3 CX, 6.3 E, 8.1 CC

# History Experiences

**Indigo Tie-Dye** - Investigate the historical importance of indigo with a costumed presenter and learn how and why this plant became a valuable cash crop in South Carolina during the 1700's. Students will tie-dye a t-shirt with indigo dye as they explore the historic process of making indigo dye from the indigo plant. Students provide one white t-shirt. (2<sup>nd</sup> grade and up). **Social Study Correlations:** 3.2.ER, 3.4.HS, 3.5.HS, 4.1.CO, 4.1.CE, 4.1.CC, 4.1.E, 6.3.CE, 8.1.CE, 8.1.P

**Life in Colonial Times** – Life was different for people in colonial South Carolina than it is today, but in some ways it was very much the same. Students will compare and contrast life then and now by looking at pictures and examining reproduction artifacts. They will have a chance to play 18th century games and make an authentic 18th century headache sack. (Grades K-3). **Social Study Correlations:** 3.4.PR, 3.4.AG, 4.1.P

**Medicine in Colonial Times** – What was health care like for people in colonial South Carolina? Students will learn how people in the past dealt with sickness and disease through a presentation and by examining reproduction artifacts. They will then analyze the treatment given to George Washington during his final illness. (4<sup>th</sup> grade and up). **Social Study Correlations:** 4.1.E, 4.2.E

**Civil War on Hilton Head** – The Civil War is one of the most important events in the history of our country. Learn about what Hilton Head Island looked like from 1861-65, when Union soldiers occupied the island. Students will recreate the battle of Port Royal with Commander Percival Drayton as they learn about this significant historical event. (3<sup>rd</sup> grade and up). **Social Study Correlations:** 4.4.CO, 4.4.CE, 4.4.CX, 4.4.E

**Camp Dig-It** – Get an introduction to the wonderful world of archaeology by a professional archaeologist. Students will have the opportunity to learn about the past as they excavate and identify artifacts from a simulated site dig box. **2020 Social Study Standards:** 3.2.ER, 4.1.CO, 6.3.CE, 8.1.CC

# Natural History Experiences

**Beach Discovery** – Let's go to the beach! Students will explore the intertidal zone and discover the amazing adaptations of organisms found in this ever changing habitat.

**Science Correlations:** K.P.1, K.L.2, 1.S.1, 1.E.4, 1.L.5, 2.S.1, 2.L.5, 3.S.1, 3.E.4, 3.L.5, 4.S.1, 4.L.5, 5.S.1, 5.E.4, 6.S.1, 6.L.4, 6.L.5, 7.S.1, 7.EC.5

**Salt Marsh Discovery** – Explore the salt marsh! Get an up close look at this unique and important habitat. Observe crabs, mussels, snails, and more while learning about their biology and behavior.

**Science Correlations:** K.S.1, K.L.2, 1.S.1, 1.E.3, 1.E.4, 1.L.5, 2.S.1, 2.L.5, 3.S.1, 3.L.5, 4.S.1, 4.L.5, 5.S.1, 5.E.3, 5.L.4, 6.S.1, 6.L.4, 7.S.1, 7.EC.5, 8.S.1

**Native Plant Hike / Plant Prints** – Carnivorous plants, edible plants, host plants, poisonous plants, and more! Take a short plant hike and discover special adaptations, historical uses, and importance of some fascinating native plants. This experience can also include a **Leaf Print T-Shirt** activity (students provide their own plain white t-shirt).

**Science Correlations:** K.L.2, 1.S.1, 1.E.3, 1.L.5, 2.S.1, 3.S.1, 3.L.5, 4.S.1, 4.L.5, 5.S.1, 5.L.4, 6.S.1, 6.L.4, 7.S.1, 7.EC.5, 8.S.1

**Fascinating Phytoplankton** – Using scientific sampling techniques, students will investigate the one-celled plants and animals that live in our coastal waters. Through the lens of a microscope, students will learn to identify different phytoplankton and zooplankton species and understand the many reasons these microscopic marine organisms are so important to our coastal waters. (2nd grade and up).

**Science Correlations:** 2.S.1, 2.L.5, 3.S.1, 3.L.5, 4.S.1, 4.L.5, 5.S.1, 5.L.4, 6.S.1, 6.L.4, 7.S.1, 7.EC.5, 8.S.1

**Butterfly Discovery** – Examine eggs, live caterpillars, chrysalises, and adult butterflies in our 1,200 square foot outdoor butterfly enclosure. Students will learn about the different plants butterflies rely on for survival, butterfly life cycles, and insect adaptations. (May-Oct).

**Science Correlations:** K.L.2, 1.S.1, 2.S.1, 3.S.1, 3.L.5, 4.S.1, 4.L.5, 5.S.1, 5.L.4, 6.S.1, 6.L.4, 7.S.1, 7.EC.5, 8.S.1

**Squid Dissection** – Explore the fascinating lives of the fastest swimming marine invertebrates. Examine the external and internal anatomy of the squid through a dissection activity.

**Science Correlations:** 2.S.1, 2.L.5, 3.S.1, 3.L.5, 4.S.1, 4.L.5, 5.S.1, 5.L.4, 6.S.1, 6.L.4, 7.S.1, 7.EC.5, 8.S.1

# Natural History Experiences

**All About Owls (Owl Pellet Dissection)** - From beak to tail, birds living in the lowcountry exhibit some amazing adaptations for survival in diverse environments. In this avian investigation, students will dissect owl pellets and discover what makes owls the ultimate nocturnal predator. **Science Correlations:** 2.L.5, 3.L.5, 4.L.5, 5.L.4, 6.L.4, 7.EC.5

**Sea Turtles Life** – Sea turtles live an extraordinary life. Explore the amazing journey of Loggerhead Sea Turtles from egg to adulthood. Discover just how easy it is to help protect these fascinating sea creatures. **Correlations:** K.L.2, 2.L.5, 3.I.5, 4.L.5, 5.L.4, 6.L.4, 7.EC.5

**Horseshoe Crabs: A Living Fossil** - With its tough, helmet-like body and long, pointed tail, the horseshoe crab is one of the most intriguing and misunderstood marine invertebrates found in our marine waters. Dive in with us as we explore the horseshoe crab and investigate the life cycle and adaptations of this living fossil. **Science Correlations:** K.L.2, 2.L.5, 3.L.5, 4.L.5, 5.I.4, 6.L.4, 7.EC.5, 8.E.6

**Pinckney Island Nature Tour** - Discover the diversity of wildlife and beautiful habitat that Pinckney National Wildlife Refuge has to offer. Experience the maritime forest, salt marsh, and freshwater ponds. Search for birds, butterflies, plants, alligators, and so much more. **Science Correlations:** K.L.2, 1.S.1, 1.E.3, 1.E.4, 1.L.5, 2.S.1, 2.I.5, 3.S.1, 3.L.5, 4.S.1, 4.I.5, 5.S.1, 5.E.3, 5.L.4, 6.S.1, 6.I.4, 7.S.1, 7.EC.5, 8.S.1

**Our Coastal Dolphins** - The Bottlenose Dolphin is an amazing marine mammal that is commonly seen along our coast. Using skulls, images, and hands-on materials, students will learn about the behaviors of dolphins and the threats they encounter as we cruise along Broad Creek and observe these mammals in their habitat. (Additional boat fee). **Science Standards Correlations** K.L.2, 1.S.1, 2.S.1, 3.S.1, 3.I.5, 4.S.1, 4.I.5, 5.S.1, 5.I.4, 6.S.1, 6.I.4, 7.S.1, 7.EC.5, 8.S.1

# Register for a Field Trip

1. Get approval from appropriate school officials.
2. Pick a few possible dates and times that will work for your group.
3. Determine the number of students that will attend and what program(s) you would like them to participate in (please contact Dawn Brut if you have question about programs).
4. Call or email the Curator of Education, Dawn Brut, with your name, school name, grade, number of classes/students, program choices, and possible dates and times.
5. Once you are on the calendar, you will receive a Confirmation Notice with the details of your field trip outlined.
6. A few days prior to your trip please look over your Confirmation Notice again and let your students know what they need to do or have to be prepare for their field trip/program.
7. After your field trip you will receive an invoice for the number of students who attended.

*Dawn Brut, Curator of Education*

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## Other Experiences



The Coastal Discovery Museum has so much to offer teachers and students. Visit [www.coastaldiscovery.org](http://www.coastaldiscovery.org) to learn more about Online Resources, Virtual Experiences, Conservation in the Classroom, Outreach Opportunities, and Teacher Workshops.

# [www.coastaldiscovery.org](http://www.coastaldiscovery.org)