

SOUTH CAROLINA MARITIME FOUNDATION



EDUCATIONAL PROGRAMMING OUTLINE

South Carolina Maritime Foundation Mission

The *Spirit of South Carolina* is dedicated to offering a unique educational platform for the youth of the Palmetto State. The hands-on programs that will be offered aboard are designed to challenge and engage students while promoting responsibility, teamwork, and stewardship for both their community and their environment. Programs will also be designed around an interdisciplinary curriculum that focuses on math and science with extensions into the history and literature of South Carolina and our relationship to the sea.

Something for Everyone:

1. Day Programs:

- ⇒ Available for 12 weeks a year, 6 weeks in the fall and 6 weeks in the spring
- ⇒ Fall 07 will be concentrating on grades 5 and 6
- ⇒ Spring 08 concentrating on grades 7 and 8
- ⇒ Capacity of 35 students plus teacher and/or chaperones
- ⇒ Correlated to State Standards
- ⇒ All programs include both pre and post sail curriculum

Sea Spray Scouts – A daysail program designed to address state standards for both math and science with links to understanding the history and culture of South Carolina and the sea. This program will be presented in three phases laid out as follows:

- **Phase one** takes place in classroom. Teachers will be supplied with pre-cruise curriculum that is comprised of background content and activities to help them prepare students for a sail aboard the *Spirit of South Carolina*. Activities included in the pre-cruise curriculum use interactive online content provided by South Carolina Educational Television (ETV) through their website knowitall.org, science kits, and other interactive activities that examine the *Spirit of South Carolina* and the subject matter that will be taught aboard the vessel. The pre-cruise curriculum is designed to complement the educational material presented during a sail, but it could also be used as a stand-alone unit in any classroom.
- **Phase two** is the shipboard phase. Students will participate in a sail aboard the Spirit of South Carolina. While aboard, they will be part of the crew and therefore will participate in all operations of the vessel including setting sails, steering, navigating and maneuvering.

During the sail students will also work in small groups as they rotate through three or four topic specific stations where they will participate in hands-on activities that

relate to the operation of the vessel and exploration of harbor. The subject matter of each station will be predetermined by teacher and the Foundation's Director of Education (see list below for academic focus areas). This process allows each teacher to tailor the academic content of the shipboard program directly to their classroom studies. Following the station activities students will reassemble as a group to discuss the historical and cultural significance of the area and prepare the vessel to return to the dock.

- **Phase three** will again be in the classroom and include post-cruise curriculum for the teachers. The post-cruise curriculum is intended to bring closure to the experience as well as assess the students' comprehension of the material. The activities provided will be designed to broaden the students' level of understanding as well as test each individual's grasp of the bigger picture. Assessments will also be made during this phase by the teachers and Foundation to ensure we are meeting our educational goals.

2. Custom Programs:

- ⇒ Can vary in duration from a day to multi-week
 - ⇒ Overnight programs limited to grades 8-College
 - ⇒ Daysail capacity, 35 (**not** including teachers and chaperones)
 - ⇒ Overnight capacity 21 (including teachers and chaperones)
 - ⇒ Can be correlated to State Standards
- SCMF is interested in working with a variety of schools, youth groups, and community organizations from around the state to develop customized programs. These programs can be tailored to accommodate a particular group's educational needs and objectives. Academic focuses for extended programs will be developed between the partnering group and SCMF's Director of Education.

3. Summer Programs:

- ⇒ 2 – two week sessions offered each summer beginning in 2008
 - ⇒ 21 student capacity
 - ⇒ Teen ages 15-18 eligible
- During this program students will become completely immersed in life at sea aboard a traditional sailing vessel. Throughout their time aboard they will be challenged both physically and mentally, while they explore the marine environment around them and learn art of seamanship.

Academic Focuses for Shipboard Programs:

1. Related to Marine Science:

Ecosystem Investigation
- Water Quality
- Food Webs and Trophic levels
- Organism Classification, Adaptations, Life Cycles
Water Cycle and Heat
Climate Factors and Global Patterns
Coastal Processes
Marine Geology
Human Impacts and Conservation

2. Related to Nautical Science:

Weather and Atmosphere
Navigation

Simple Machines and Mechanical Advantage
Lunar Cycles and Tides
Currents and Waves
Motion: Position, Direction of Motion, and Speed
Buoyancy

3. Related to Maritime History:

Regional Maritime History
Historical Narratives
Maritime Literature, Poetry, and Artwork
Urban Sprawl, Comparison of Historic and Contemporary Maps

Sample Itineraries:

Daysail Program

0830 Board
Welcome/Orientation/Safety Talk
0900 Get underway
Safety drills
Basic deck seamanship/set sails/sailing drills
1200 Lunch
3-4 Station activities
1530 Douse sail, dock ship, closing remarks, debark participants
(Time frame can begin later or be condensed to work within the schools needs)

3 or 4 Day Program

Day 1

0900 Board
Welcome/Orientation/Safety Talk
Settle into bunks and begin to explore ship
Safety equipment and ship tour
Basic deck seamanship
Underway
Safety drills
Set sail
Lunch
Intro to sailing, sailing drills
Douse, furl sails, anchor for dinner
Dinner
Day review, fun educational activity
Lights out, anchor watch begins

Day 2 and 3(if on a 4 day program)

Haul back the anchor
Get underway
Begin watch standing routine
Breakfast/ Chores
Classes/Activities 2-4 times through the 24 hour period
Underway through evening, continue with watch routine

Day 3 or 4

Breakfast/ Chores
Classes/Activities 1-2 times in AM
Lunch
Afternoon spent allowing students to take leadership in running ship in sailing maneuvers and other activities.

Arrive in harbor, execute several maneuvers in sight of parents and onlookers.
Douse, furl sail, tie up at dock
1700 Closing speech, debark students.

5 Day Program

Day 1

0900 Board
Welcome/Orientation/Safety Talk
Settle into bunks and begin to explore ship
Safety equipment and ship tour
Basic deck seamanship
Underway
Safety drills
Set sail
Lunch
Intro to sailing, sailing drills
Douse, furl sails, anchor for dinner
Dinner
Day review, fun educational activity
Lights out, anchor watch begins

Day 2

Haul back the anchor
Get underway
Begin watch standing routine
Breakfast/Chores
Classes/Activities 2-4 times through the 24 hour period
Underway through evening, continue with watch routine

Day 3

Breakfast/Chores
Underway/Continue with watch standing routine
Anchor for port call
Spend day ashore for shore based activities
Return to ship
Dinner
Day review, fun educational activity
Lights out, anchor watch begins

Day 4

Haul back the anchor
Get underway
Back into watch routine
Breakfast/Chores
Classes/Activities 2-4 times through the 24 hour period
Underway through evening, continue with watch routine

Day 5

Breakfast/ Chores
Classes/Activities 1-2 times in AM
Lunch
Afternoon spent allowing students to take leadership in running ship in sailing maneuvers and other activities.
Arrive in harbor, execute several maneuvers in sight of parents and onlookers.
Douse, furl sail, tie up at dock

1700 Closing speech, debark students.

Possible Port Calls On A Five Day Program:

Southport

Georgetown

Beaufort

Cumberland Island

- Note- We will take suggestions for desired port calls, but can not guarantee a stop. All itinerary for all programs are weather dependent.

Sample Class Schedule:

Day 1 (All Part of Core Curriculum)

- Orientation/Activities
 - Safety
 - Deck Seamanship
 - Sail Theory
 - Maneuvering
 - Review of Days Information

Day 2 (Core curriculum through watch standing duties and activities)

- Class/Activity Topics
 - Marine Ecosystems
 - Reading Assignment, excerpt from "Two Years Before the Mast"
 - Discuss Reading
 - Calculating Sail Area

Day 3 (Students depart after breakfast and return by dinner)

- Day Ashore on Cumberland Island – All hands on experiences
 - Exploring Marine Estuaries
 - Barrier Island History and Formation
 - Plant and Animal life ashore
 - Journal Writing of experiences of the day on each topic

Day 4 (Core curriculum continued through watch standing duties and activities)

- Class/Activity Topics
 - Writing Assignment, "How are interactions between you and your shipmates different from how you relate to peers ashore?"
 - Marine Organisms
 - Motion of Objects (Position, Direction, & Speed)
 - Piracy in the Americas

Day 5 (Return to port by 1700)

- Class/Activity Topics
 - History of Charleston Harbor, How is it used today
 - Discuss experiences of last few days
 - Clean up ship
 - Afternoon spent challenging the students sailing and navigation skills