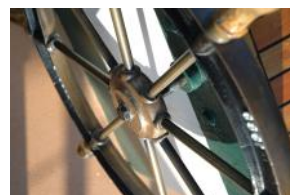




2019 Education Programs



Reservation & Information Manual



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Dear Program Coordinator,

Thank you for choosing one of BaySail's premier education programs. You and your group are about to embark on an exceptional experience. Our flagship Science Under Sail program has been awarded "Sea Education Program of the Year" by the American Sail Training Association and has welcomed over 45,000 students aboard in its 20 sailing seasons.

Please carefully review the following materials to assist you in preparing your group for their program. Steps to a successful experience are outlined below and detailed in the following pages.

- ☐ **STEP 1: Return your information and date request form.**
- ☐ **STEP 2: Confirm your date/time with a BaySail representative.**
- ☐ **STEP 3: Return your completed contract after reviewing the entire *Policies and Procedures* section in this manual— contract is due within 10 days of date confirmation to hold your place.**
- ☐ **STEP 4: Pay a 50% deposit within 15 days of date confirmation; balance is due 30 days prior to your program.**
- ☐ **STEP 5: Return your module selections no later than 1 week prior to your program.**
- ☐ **STEP 6: Review any clothing advisories and small group assignments with your group prior to your program.**

Please ensure that you carefully read the pages that outline our ***Policies and Procedures*** regarding safety, student expectations, chaperone expectations, trip preparation and weather. It is also very important that you read and post the ***Clothing Advisory*** for your students if participating in a sail program. We reserve the right to refuse passage to students who are not prepared for the conditions they may experience during this program.

Please feel free to contact me at (989) 895-5193 or program@baysailbaycity.org should you have questions regarding any of the following information. I look forward to working with you as we plan your group's adventure together!

Sincerely,

Emily Nummer
BaySail Director of Education

EDUCATION PROGRAMS

STEP 1: Information and Date Request Form

After completing this form, please return it to BaySail's Education Department.

Email: program@baysailbaycity.org | Fax: 989-460-1472 | Mail: 107 5th Street, Second Floor, Bay City, MI 48708

School /Group _____

Teacher/Trip Leader _____

Trip Leader Title _____

School/Group Address _____

City _____ State _____ Zip Code _____ County _____

School/Group Telephone _____ Trip Leader Cell (for day of trip) _____

Contact E-mail(s) _____

Number of trips _____ Grade _____ Port (circle one): Bay City Tawas Detroit Other: _____

Have you attended an Education Under Sail program with us before? Yes No

If so, which program? _____ Most recent year attended _____

Which program are you interested in ? (circle) Science Under Sail History Under Sail Dockside Classroom

Number of Youth (*Appledore IV Max: 32/Appledore V Max: 18/Dockside or Classroom Max: 30*): _____

Number of Adults* (*Appledore IV Max: 3/Appledore V Max: 2*) _____

*Please note: the maximum numbers of chaperones are set as such in order to provide the best possible learning environment for students aboard the vessels. If you have questions or are interested in bringing more than the maximum number of adults, please discuss this with BaySail's Education Department.

Preferred Trip Dates: Spring _____ Fall _____ Year _____

1st choice: _____ AM _____ PM _____

2nd choice: _____ AM _____ PM _____

3rd choice: _____ AM _____ PM _____

How did you hear about our program? _____

Additional notes or requests: _____

STEP 2: Our Confirmed Trip Date is _____ Time: _____ AM/PM

A signed contract and 50% deposit is due 15 days from the date of program confirmation in order to secure your spot.

EDUCATION PROGRAMS

STEP 3: Policies and Contract

Email: program@baysailbaycity.org | Fax: 989-460-1472 | Mail: 107 Fifth Street, 2nd Floor, Bay City, MI 48708

Due 15 days after booking your trip. Please be sure to read the remaining policies and practices in the entire manual. A successful program relies heavily on teacher, student and chaperone preparedness as outlined in this manual.

Payment—A completed contract and a 50% deposit is due within 15 days of booking your program. Any remaining balance is due 30 days prior to the program. If balance is not paid 30 days prior to the program, BaySail will cancel your scheduled reservation(s) and any deposit(s) will be forfeited.

School Cancellation Policy—Deposits will be refunded in full for trips cancelled at least **60 days** prior to the scheduled program date. If cancellation is made with less than 60 days notice, you will forfeit the deposit.

BaySail Cancellation Policy—In the event of dangerous weather causing the cancellation of your trip (i.e., thick fog, severe thunderstorms in the area, very high winds, etc.) we will make every effort to reschedule your program. Please note: A forecast of rain without any of the aforementioned conditions will not cause program cancellation. If rescheduling is not possible and it is safe to do so, a dockside program will be provided at a reduced rate. If rescheduling or dockside programming are not possible due to weather, all fees will be refunded. We often are unable to accurately predict the weather until the day of the sail. We will contact the group's leader on the morning of the trip for updates on questionable weather and possible trip delays or cancellations. We will make every effort to give at least a two hour notice prior to cancellation of any sail due to weather.

Teacher & School Agreement

I, _____, have read and agree to BaySail's Policies & Procedures, explained elsewhere in this Program Manual, regarding the number of participants allowed, payment and cancellation policies, weather and safety procedures. The crew and staff of BaySail strive to minimize risks whenever possible by implementing stringent safety measures and procedures. However, I understand that all travel involves an element of risk and, by making a reservation for my class aboard the *Appledore IV*, I acknowledge and accept that tall ship sailing carries an element of risk. BaySail and its employees will be held harmless and are not liable for any loss or damage of personal property, for any accident or misadventure that may occur during or as a result of the sail.

_____ I have the authority to enter into an agreement on behalf of my school, district, or organization.

_____ I agree to abide by all of BaySail's terms, policies, and procedures.

Signature _____ Date _____

Printed Name _____ Trip Date(s) _____

Title _____ School _____

Photograph & Video Personal Release

By participating in a BaySail program aboard the tall ship *Appledore IV* you consent to BaySail using images of you and/or your students taken during your sail in any medium we choose, royalty-free. Images may be used for advertising, publicity and other promotional purposes. Should you provide BaySail with copies of images that you have created yourself, you grant BaySail permission to use them for the same purposes stated above. If particular students do not have parental permission for their photographs to be taken and advertised, please inform BaySail and we will not photograph those students.

_____ I DO agree. You may use any and all photographs and videos taken of my students. All students have signed parental permission for such release of their child's photograph, grade and school.

_____ I DO NOT agree. Please DO NOT use any photographs and videos taken of my students. All of my students do not have signed parental permission for such release of their child's photograph, grade and school. I, however, may send you photographs of students that do have permission.

Signature _____ Date _____

Printed Name _____ Trip Date(s) _____

Title _____ School _____

STEP 4: Payment

An invoice will be sent to the representative indicated on the Information and Date Request Form.
50% payment is due upon reservation confirmation. Balance is due 30 days prior to your scheduled trip.
Please make checks payable to BaySail and remit to the address listed at the top and bottom of this page.

STEP 5: Module Selections

SIDE A: For Science Under Sail or Dockside Programs

Please return this form to BaySail's Education Department at least one week prior to your program. Programs scheduled without module selections submitted at least one week in advance are subject to default programming.

Email: program@baysailbaycity.org | Fax: 989-460-1472 | Mail: 107 Fifth Street, 2nd Floor, Bay City, MI 48708

Science Under Sail or Dockside Programs

East Tawas/Port Austin/Detroit Ports: choose 4 total plus 1 whole group activity
Bay City: Choose 6 total from Freshwater and/or Nautical Science plus 1 whole group activity

Freshwater Ecology

- ___ **Plankton (D)** – Use a plankton net to collect samples and later analyze plankton under a microscope while studying their role in the food web.
- ___ **Benthic (D)** – Explore the benthic zone by taking a bottom sample with a petite ponar dredge and later search for and identify organisms that indicate water quality.
- ___ **Invasive Species (D)** – Identify invasive aquatic species and explore their impact on the Great Lakes.
- ___ **Wetland/River Observation (B)** – Use binoculars to observe wildlife and describe the ecosystem services of wetlands.
- ___ **Marine Debris (D)** – Identify sources of debris, predict decomposition rates and discuss effects on aquatic life.
- ___ **Watershed (D)** – Use a model to observe surface water flow and its impact on pollution in the watershed.
- ___ **Pollution Solutions (D)** – Discuss water pollution sources and engineer and test solutions for an oil spill.
- ___ **Water Chemistry (U, D)** – Collect a water sample with an alpha water bottle and later analyze samples for pH, dissolved oxygen, turbidity, nitrate, and phosphate levels to determine water quality.

Nautical Sciences

- ___ **Knots (D)** – Learn how to tie commonly used nautical knots and what each is used for.
- ___ **Navigation (D)** – Learn about longitude and latitude and how to read a compass while investigating navigational charts.
- ___ **Forces in Sailing (U, D)** – Learn the points of sail, and how sails are trimmed relative to wind direction. Identify forces acting on and with sailboats.
- ___ **Buoyancy (D)** – Explore buoyancy while competing to engineer small vessels designed to carry a load.
- ___ **Simple Machines (D)** – Identify the six simple machines and their application to sailing. Find examples of each in use on the ship.
- ___ **Weather (D)** – Interpret cloud structures and use electronic and historical devices to measure weather variables such as wind speed/direction, temperature and humidity.

(U) Designed for middle and high school students only.

(B) Only available for Bay City departures.

(D) Available for a dockside program

Whole Group

- ___ **Ship Tour (D)** – Get the chance to explore above and below decks, and learn what life aboard a schooner is like!
- ___ **Food Web (D)** – Explore the interconnected relationships within food webs.
- ___ **Drop in the Bucket (D)** – Review sources of water on the earth, discuss how little freshwater is available for human use and propose ways to conserve this precious resource.
- ___ **Bioaccumulation (D)** – An interactive food web model that introduces the concept of bioaccumulation.
- ___ **Saginaw River/Bay in a Jar (D)** – students model different sources of water pollution then propose ways of reducing the impact of pollution in the area. *Customizable to your area!*

STEP 5: Module Selections

SIDE B: For History Under Sail or Classroom Programs

Please return this form to BaySail's Education Department at least one week prior to your program. Programs scheduled without module selections submitted at least one week in advance are subject to default programming.

Email: program@baysailbaycity.org | Fax: 989-460-1472 | Mail: 107 Fifth Street, 2nd Floor, Bay City, MI 48708

HISTORY UNDER SAIL

(choose 2 themes)

- _____ **Sailing Into the Past** – Traditional skills of a tall ship mariner are highlighted. Explore knots, navigation and life aboard a Great Lakes schooner
- _____ **Water Highways** – Explore the important role that rivers have played in transportation and trade through activities that explore the tools and resources of the Fur Trade and Logging Eras as well as early and modern shipping practices
- _____ **River Resources** – Assign values to the resources offered by rivers by for wildlife, drinking water, transportation and more. Activities include observations of wildlife and their habitat, drinking water filtration and a look at past and present shipping maps
- _____ **Current Contaminants** – Learn about the current state of the Saginaw River and Saginaw Bay and how it came to be. Observe and discuss how the health of the river and bay impacts the economy, recreation, tourism, human health, environmental health and more

CLASSROOM PROGRAMS

(choose 1 per hour scheduled in the classroom with each group)

- _____ **Invasive Species** – Identify non-native species and explore their impact on the Great Lakes.
- _____ **Marine Debris** – Identify sources of marine debris, predict decomposition rates and discuss effects of debris on aquatic life.
- _____ **Watershed** – Interact with a model to observe how the shape of the land determines surface water flow and how point and non-point source pollution contributes to water body health.
- _____ **Pollution Solutions** – Discuss water pollution sources and engineer and test solutions for an oil spill.
- _____ **Knots** – Learn how to tie commonly used nautical knots and what each is used for.
- _____ **Navigation** – Learn about longitude and latitude and how to read a compass while investigating navigational charts and mapping your trip.
- _____ **Forces in Sailing (U)** – Use vector and force concepts to solve equations as students explore how boats move and discuss sailing angles that aid in propelling a sail boat forward.
- _____ **Buoyancy** – Explore buoyancy while competing in small groups to engineer miniature vessels designed to carry a load.
- _____ **Simple Machines** – Identify the six simple machines and their application to sailing and apply the mechanical advantage of a pulley when raising and/or trimming sail.
- _____ **Weather (program must include outdoor space & walking time)** – Interpret cloud structures and use electronic and historical devices to measure weather variables such as wind speed/direction, temperature and humidity.
- _____ **Food Web** – Explore the interconnected relationships within food webs.
- _____ **Drop in the Bucket** – Review sources of water on the earth, discuss how little freshwater is available for human use and propose ways to conserve this precious resource.
- _____ **Bioaccumulation** – An interactive food web model that introduces the concept of bioaccumulation.
- _____ **Saginaw River/Bay in a Jar** – students model different sources of water pollution then propose ways of reducing the impact of pollution in the area. *Customizable to your area!*

(U) Designed for middle and high school students only.

EDUCATION UNDER SAIL

A sample *Appledore IV* Bay City Schedule

The following schedule is a typical itinerary for a Science or History under Sail program aboard *Appledore IV* departing from Bay City. **Other ports and our smaller vessel have modified schedules to accommodate operational needs.**

Safety is our utmost concern and we therefore reserve the right to alter any itinerary in any way necessary to ensure the safety of our passengers and crew. It is critical to our operations that we remain on schedule. Any delay in arrival time will be made up for

<u>Task</u>	<u>Description</u>	<u>AM</u>	<u>PM</u>
Arrival	Meet with Education Coordinator, use restrooms, split into groups, pass out Student Log Books and receive important safety information	8:15	12:45
Boarding	Board vessel in three pre-arranged groups of up to eleven students each designated by Red , Yellow and Blue lanyards. <i>*Smaller vessel requires only two groups.</i>	8:30	1:00
Sampling (Only Science Under Sail)	Take any samples required—based on module selections (Benthic, Water Chemistry, Plankton, Weather all require sampling at the dock)	8:35	1:05
Begin 1st Set of Station Rotations	Small groups will rotate through module stations. Please send at least one chaperone with each group, especially below deck. Red Group: Module A Yellow Group: Module B Blue Group: Module C	9:00	1:30
	Red Group: Module C Yellow Group: Module A Blue Group: Module B	9:20	1:50
	Red Group: Module B Yellow Group: Module C Blue Group: Module A	9:40	2:10
Raise Sails*	Students will be guided through the sail setting process and encouraged to join the crew in setting sails, singing sea shanties, navigation and enjoy a few silent sail moments. Sails will remain up while students continue participation in the educational programs. <i>*This portion of the program is extremely weather dependent and will be fully determined by the licensed captain and expert crew aboard during your program. Timing is fully subject to the discretion of the captain on board.</i>	10:00	2:30
Whole Group	Led by the Education Coordinator, students will participate in the whole group module.	10:20	2:50
Begin 2nd Set of Station Rotations	Small groups will rotate through module stations. Please send at least one chaperone with each group, especially below deck. Red Group: Module D Yellow Group: Module E Blue Group: Module F	10:40	3:10
	Red Group: Module F Yellow Group: Module D Blue Group: Module E	11:00	3:30
	Red Group: Module E Yellow Group: Module F Blue Group: Module D	11:20	3:50
Wrap Up	Students will summarize observations recorded in Student Log Books	11:40	4:10
Dock and Depart	Once the crew has secured the vessel, the Captain and Education Coordinator will share some departing words before waving goodbye.	11:50	4:20
Optional Photos	A group favorite— feel free to ask the crew to hang around for a group photo from the dock with the <i>Appledore</i> in the background!	NOON	4:30

POLICIES AND PROCEDURES

Booking Details—2019 Season

We aim to make your experience enjoyable for all and greatly appreciate all of your efforts in making this program possible for your students. For your convenience we have outlined below a checklist of tasks that will guide you as you prepare. Following these steps will also allow our staff to best prepare for your experience. You will find further aids such as a chaperone letter, parent letter and clothing advisory to assist you in preparation for programs on the water following our *Policies and Procedures*. Additional resources can be found by visiting our website (baysailbaycity.org) and clicking on Environmental Education.



- ☐ **STEP 1:** Return your information and date request form.
- ☐ **STEP 2:** Confirm your date/time with a BaySail representative.
- ☐ **STEP 3:** Return your completed contract after reviewing the entire *Policies and Procedures* section in this manual— contract is due within 10 days of date confirmation to hold your place.
- ☐ **STEP 4:** Pay a 50% deposit within 15 days of date confirmation; balance is due 30 days prior to your program.
- ☐ **STEP 5:** Return your module selections no later than 1 week prior to your program.
- ☐ **STEP 6:** Review any clothing advisories and small group assignments with your group prior to your program.

Booking a Program—Contact us at **(989) 895-5193** or e-mail **program@baysailbaycity.org** for an Information and Date Request Form (also included in this manual) then follow the steps outlined above to complete your registration.

Payment—A deposit of 50% is due upon booking a program. Any remaining balance is due 30 days before the program date. **Please do not bring cash or checks to the boat dock the day of your program.** Please make checks payable to BaySail and include the name of your school. If you wish to pay by credit card, please contact our office at 989-895-5193. We accept Master Card, Visa and Discover.

Time and Date Logistics: (*vary by departure location*)

All educational sails are scheduled 8 a.m.—5 p.m. Monday through Friday. If you are interested in a weekend or weeknight sail, please contact BaySail’s Education Department for further availability.

Bay City programs run mid-April to mid-October | 8:30 a.m. – 12:00 p.m. | 1:00 p.m. – 4:30 p.m.

Departs from Wenonah Park in downtown Bay City, on the east side of the Saginaw River. Students will be split into three groups. Teachers choose 6 Science Under Sail Modules and 1 whole group -OR- 2 History Under Sail Themes

Detroit programs offered April 29—May 3 (*Appledore IV*) | 9:30 a.m.— 12:00 p.m. | 1:00 p.m.—3:30 p.m.

Departs from Detroit Port Authority. Students will be split into three groups. Teachers choose 4 Science Under Sail Modules and 1 whole group -OR- 2 History Under Sail Themes

East Tawas programs offered May 20 — June 2 (*Appledore V*) | 9:00 a.m.—11:30 a.m. | 12:30 p.m.—3:00 p.m.

Departs from East Tawas State Dock. Students will be split into two groups. Teachers choose 4 Science Under Sail Modules and 1 whole group -OR- 2 History Under Sail Themes

Port Austin programs offered September 17— 19 (*Appledore V*) | 9:00 a.m.—11:30 a.m. | 12:30 p.m.—3:00 p.m.

Departs from Port Austin Marina. Students will be split into two groups. Teachers choose 4 Science Under Sail Modules and 1 whole group -OR- 2 History Under Sail Themes

Program Capacity:

***Appledore IV:* 32 students and 3 adults**

***Appledore V:* 18 students and 2 adults**

Dockside: 32 students

Classroom: 30-35 students

POLICIES & PROCEDURES CONTINUED

Merchandise – Please contact your BaySail representative if you would like to participate in a merchandise order. A form can be found on our website and must be returned no later than 30 days prior to your trip if you would like to receive your merchandise on the day of your program.

Student Assessment – When you arrive for an onsite program, each student will receive a student log book to record data gathered throughout their experience. Students will be able to take these with them or may turn them in to their teachers for credit. Pre- and post- activities and assessments are also available upon request. We kindly ask that you share any pre- and post- assessment results with us as this data helps us to evaluate programming as well as provide scholarship opportunities for eligible groups.

Policies and Procedures Related to Shipboard Programs

Boat and Crew Safety – Safety is our primary concern. The *Appledore IV* and *Appledore V* are U.S. documented vessels inspected and regulated by the U.S. Coast Guard. The ships meet or exceed all requirements necessary for approved operation in the Great Lakes. Vessels carry safety equipment including enough life jackets for all passengers, life rafts, fire detection and extinguishing equipment, rescue gear, and electronic positioning beacons. Ship captains are licensed by the U.S. Coast Guard and are required to maintain current Red Cross first aid and CPR training. All crew receive company safety training and are subject to periodic safety drills. Upon arrival, passengers will receive pre-boarding safety instructions. Everyone will be shown where they may or may not be while on board as well as how to use the ladders and how to properly don a life jacket per U.S. Coast Guard Regulations.

Shipboard Behavior – Students will be expected to fully participate in each lesson and will be directed not to run, shove or push each other while they are on board the vessel. Horseplay can be especially dangerous while underway and will not be tolerated. We also ask that you discourage students from shouting out to those on shore or in passing.

Restrooms – There are public restrooms on shore at the dock. Arriving 15 or 20 minutes early will give your group time to use them without delaying departure. Students will also be asked to notify a crew member if they need to use the bathroom so they can be given instructions on how to properly operate the “head”.

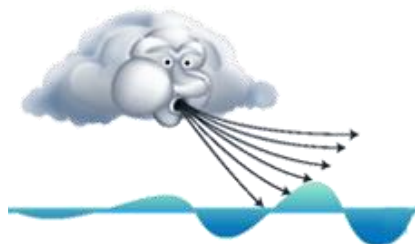
Food, Drink & Electronic Devices – Food, gum and drinks other than water are not permitted on board the vessels. Electronic Devices are allowed on the vessel. There will be opportunities to take photos at designated times. We ask that outside of these designated times, all devices are properly stowed in a fastened pocket throughout the trip to limit any potential loss. BaySail assumes no responsibility for lost or stolen property.

Teacher Resources – It is very important that you read and post the *Clothing Advisory* for your students. A parent letter and chaperone letter are included in this manual to aid you in communication. BaySail posts relevant program materials online under our Teacher Resources page. Go to baysailbaycity.org and click on Environmental Education. We also encourage you to use several of these activities as follow up exercises after your program.

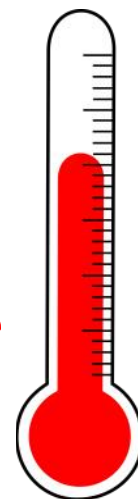
Student Groups & Name Tags – We ask that you divide your students into two or three different groups based on the vessel you will board before arriving at the dock (*Appledore IV*: 3 groups; *Appledore V*: 2 groups). Name tags are highly encouraged. These are helpful to our shipboard educators and improve the experience as a whole! Teachers have found that the best name tags are those that can be pinned on to an outer layer of clothing.

Adult Participation – Teachers and chaperones are expected to fully participate with the students by accompanying a particular student group throughout the educational program. Each group should have 1 adult chaperone boarding with it. Chaperones should understand that this is a working field trip. Please instruct them to listen in on your students, help them stay focused, and set the example by listening to and following the instructions of the crew and

BAYSAIL CLOTHING ADVISORY:



Even when it is warm on shore, it will be 10° to 20° colder on the Appledore due to the winds and cold water.



The following is deemed as appropriate dress and is *highly recommended* even during warm weather (such as a shore temperature of up to 70° F):

- Tennis shoes (sneakers, with laces)
- Long pants
- Warm socks
- Sweatshirt and/or long sleeved shirt
- Knit hat or earmuffs (no baseball caps)
- Winter coat (required for 55° F or below)
- Gloves or mittens
- Rain gear/ponchos (extremely important when applicable)

The following is considered inappropriate clothing:

You may not be allowed to board the ship if you are wearing any of these:

- Sandals, flip flops, clogs (or any shoe that slips on the foot)
- Shorts (in cold weather up to 60° F)
- Capri pants (in cold weather up to 60° F)

Remember—it is easier to take clothing off if you get too warm than wish you had something else to put on if you become too cold!

BaySail reserves the right to refuse passage to students who are not prepared for the conditions they may experience during this program.



A LETTER TO PARENTS/GUARDIANS:

Dear Parent/Guardian,

On _____, _____ at _____ AM/PM, your student's class will visit BaySail to participate in an educational program aboard the *Appledore* where students will engage in a hands-on, outdoor education experience designed to expand and enhance classroom learning. During this program, students will explore the world around them through a variety of STEM activities while traveling on our local waterways aboard a traditionally-rigged Great Lakes tall ship schooner.

Preparedness Guidelines:

- Students will spend the majority of the trip outside, please have them dress appropriately for the weather. The temperature often feels **10 to 20 degrees cooler** on the boat than on land due to wind and cooler water temperatures.
- The program will take place rain or shine (with the exception of severe weather) and there is little space for cover on board the vessel. Please provide your child with a rain jacket or poncho if rain is predicted in the forecast.
- Students will be walking on a painted steel boat deck; they must wear tennis shoes or other closed-toed, rubber-soled shoes that do not slip on/off.
- BaySail reserves the right to refuse passage to students who are not prepared for the conditions they may experience during this program.
- Upon arrival, passengers will receive pre-boarding safety instructions. Following shipboard rules is vital to a safe and successful trip. Horseplay will not be tolerated.

BaySail is a private, non-profit organization that owns and operates the schooners *Appledore IV* and *Appledore V* and provides award-winning environmental education programming to over 1700 students each year. The *Appledore IV* and *Appledore V* are U.S. documented vessels inspected and regulated by the U.S. Coast Guard. The ships meet or exceed all requirements necessary for approved operation in the Great Lakes. Vessels carry safety equipment including enough life jackets for all passengers, life rafts, fire detection and extinguishing equipment, rescue gear, and electronic positioning beacons. Ship captains are licensed by the U.S. Coast Guard and are required to maintain current Red Cross first aid and CPR training. All crew receive company safety training and are subject to periodic safety drills.

More information about BaySail can be found at www.baysailbaycity.org.

Sincerely,

Emily Nummer

BaySail Director of Education



A LETTER TO CHAPERONES:

Dear Chaperone,

Thank you for joining us on _____, _____ at _____ AM/PM for our educational program aboard the *Appledore* where students will engage in a hands-on, outdoor education experiences designed to expand and enhance classroom learning. During this program, students will explore the world around them through a variety of STEM activities while traveling on our local waterways aboard a traditionally-rigged Great Lakes tall ship schooner.

Chaperone Preparedness Guidelines:

- Please dress for cooler weather. The temperature often feels **10 to 20 degrees cooler** on the boat than on land due to wind and cooler water temperatures.
- The program will take place rain or shine (with the exception of severe weather) and there is little space for cover on board the vessel. Please bring a rain jacket or poncho if precipitation is in the forecast.
- You will be walking on a painted steel boat deck and therefore BaySail requires passengers to wear closed-toed shoes that do not slip on/off.
- Upon arrival, passengers will receive pre-boarding safety instructions. Following shipboard rules is vital to a safe and successful trip. Horseplay will not be tolerated.
- Students will be split into 2-3 small groups while aboard. BaySail requests that one chaperone remains with each group at all times in order to assist with behavior management and ensure full student participation. Please encourage your group to engage and work collaboratively with one another.
- BaySail prides itself on its award-winning, inquiry-based programming. Many questions will be posed to students in order to facilitate learning and higher-level thinking. Our educators are fully trained in these techniques and we ask that you help to provide a safe space for students to share their ideas and refrain from answering questions yourself or providing answers to the students.
- The vessels provide a unique learning opportunity that also provide a unique learning environment. Please follow cues from the crew to aid in quieting the students when appropriate so that the crew can work safely. The open air classroom often makes it difficult to hear at even short distances. Please also discourage side conversations during lessons and model the same behavior for the students.

Thank you for sharing your time with us on board! BaySail is a private, non-profit organization that owns and operates the schooners *Appledore IV* and *Appledore V* and provides award-winning environmental education programming to over 1700 students each year. More information about BaySail can be found at www.baysailbaycity.org.

Sincerely,

Emily Nummer

ABOUT THE VESSELS

	<u>APPLEDORE IV</u>	<u>APPLEDORE V</u>
Rig:	Gaff Schooner	Gaff Schooner
Sparred length:	85 ft.	65 ft.
Length on Deck:	65 ft.	58 ft.
Draft:	10 ft.	7'6"
Beam:	18'5"	14'
Rig Height:	76'	63'6"
Crew:	4	3
Program Capacity:	32 Students, 3 Adults	18 Students, 2 Adults
Overnight Capacity:	10	6

History: The original owners were Herb and Doris Smith who commissioned the schooners. *Appledore IV* was sold to Bay Breeze Yacht Charters in Traverse City where she was used as a floating bed & breakfast. She also previously sailed out of Charlevoix, MI and Erie, PA before BaySail brought her home to Bay City in the spring of 1998. *Appledore V* previously made her home with the Traverse Tall Ship Company. BaySail acquired her in October of 2002.



OTHER NEARBY PROGRAMS

Looking for something else to do in the area or a place to host half of a larger group awaiting a BaySail program? See below for other local organizations that have educational programming available that compliments your experience with us. Please let your BaySail representative know if you are planning to book a program on the same day with another site or if you have any logistical questions so that we can also coordinate with their program lead.

Bay City State Recreation Area Saginaw Bay Visitor Center

www.michigan.gov/saginawbayvc

3582 State Park Drive

Bay City, MI 48706

989-667-0717

Contact: Jonathan Massung, Interpreter

massungJ@michigan.gov

Cost: Free

Bay County Historical Society & The Historical Museum of Bay County

<http://www.bchsmuseum.org/>

321 Washington Avenue

Bay City, MI 48708

Contact: Corrine Bloomfield, Senior Curator

989-893-5733

cbloomfield@bchsmuseum.org

Check out their Maritime Gallery! Call for special booking times that compliment your BaySail program.

Cost: \$1 per student, 10 student minimum

Delta College Planetarium & Learning Center

<http://www.delta.edu/planetarium/schools.html>

100 Center Avenue

Bay City, MI 48708

989-667-2260

planet@delta.edu

Call for special booking times that compliment your BaySail program.

Discovery Preserve

<http://www.sblc-mi.org/discovery-preserve.html>

1701 S. Euclid

Bay City, MI 48706

989-891-9986

comments@sblc-mi.org

A free, self-guided nature area with a nature-based playground and signed hiking trails.

DIRECTIONS TO THE DOCK IN DOWNTOWN BAY CITY'S WENONAH PARK

Directions to the dock from I-75

Take I-75 to exit 162A [M-25]

Take M-25 [Thomas Street] into Bay City and cross over Veteran's Bridge

The first light is Saginaw Street, turn left on Saginaw

Take Saginaw Street to Fifth Street, turn left on Fifth

Go straight at the stop sign at Water Street into parking area

Directions to the dock from US-10

Take US-10 [M-25] into Bay City and cross over Veteran's Bridge

The first light is Saginaw Street, turn left on Saginaw

Take Saginaw Street to Fifth Street, turn left on Fifth

Go straight at the stop sign at Water Street into parking area

Directions to the dock from M-13

Take M-13 to Lafayette, turn right on Lafayette

Take Lafayette to Garfield, turn left on Garfield

Garfield turns into Washington Avenue

Take Washington Avenue to Fifth Street

Go two blocks to Water Street

Park in the lot at Fifth and Water Street or along side streets

Directions to the dock from M-15

Take M-15 to M-25 [Center Avenue], turn left on Center Avenue

Take Center Avenue to Water Street, turn right

Go down Water Street to Fifth Street, turn left into parking area

Directions to the dock from M-84

Take M-84 to Euclid Avenue [M-13], turn left on Euclid

Take Euclid to Thomas Street [one way], turn right on Thomas

Take Thomas Street over Veteran's Bridge

The first light is Saginaw Street, turn left on Saginaw

Take Saginaw Street to Fifth Street, turn left on Fifth

Go straight at the stop sign at Water Street into parking area





BAYSAIL'S MISSION

To foster environmental stewardship of the Saginaw Bay Watershed and the Great Lakes ecosystem and to provide personal development opportunities for learners of all ages through shipboard and land based educational experiences.

