

Self-Guided Scout Patch Program

Junior Girl Scouts & Boy Scouts

Welcome to the St. Augustine Lighthouse & Museum!



We're excited that you're earning the special **St. Augustine Lighthouse Patch** that we've designed just for you.

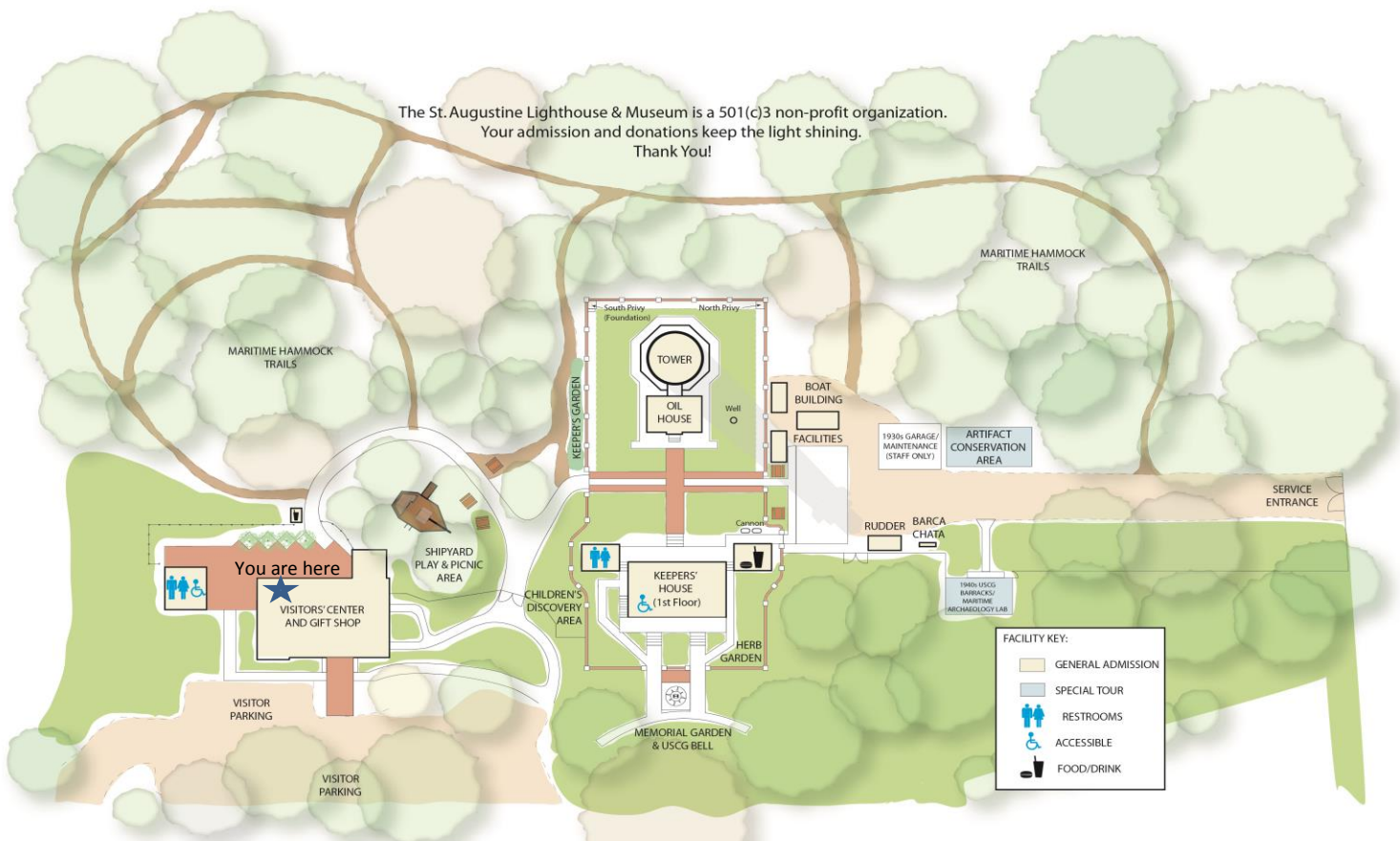
- This patch is intended to be completed in one visit to the St. Augustine Lighthouse & Museum, which will take approximately **1 ½ hours**.
- To earn your badge, you must complete at least **SIX** of the **activities** listed. Activities do not need to be completed in order and you can complete more than five if you'd like!
- Make sure you get each completed activity initialed by your troop leader or the adult accompanying your group.
- If you have any questions along the way, ask a Lighthouse staff member to help you.
- Once you have completed at least **six** of the activities and an adult has initialed them, take your patch program sheet to the Visitors Center (where you bought your ticket) and you can purchase your new patch!

Have fun and be safe!

Initials	Activity	Instructions
_____	1	<p>Take a hike! Explore the natural maritime hammock here at the St. Augustine Lighthouse. This habitat is home to many native plants and animals. Using signage, find and identify one of the native plants on our nature trails. REMEMBER: stay on the trail and do not disturb any plants or animals.</p> <p>Draw the plant here </p> <p>Record the plant's name below</p> <p>_____</p>
_____	2	<p>Carry the oil bucket! There are two buckets in the lighthouse: one in the oil house at the base of the tower and one near the top of the tower. They feel like what the lightkeepers carried to the top of the tower each night. Lift a bucket and imagine carrying it—filled with oil—up all of the steps to the top!</p> <p>How much oil could one bucket hold? _____ Gallons</p>
_____	3	<p>What's cooking? Find the location of the two kitchens for the lightkeepers' home. What was one reason why they were NOT inside the main house?</p> <p>Answer: _____</p>
_____	4	<p>Find a Fresnel lens! A Fresnel lens is a bee-hive shaped structure that has often been used in lighthouses to magnify light. There are two Fresnel lenses on our site—one at the top of the tower and one in the museum. Find one of these lenses and read about what it does, or ask a staff member to explain how it works.</p> <p>What are our lenses made out of? _____</p>
_____	5	<p>Onboard a ship! A binnacle is a case or stand that holds and protects navigational tools on the deck of a ship. Find our binnacle.</p>
_____	6	<p>Aids to navigation—TRUE or FALSE: In addition to lighthouses, lightships guided sailors and warned them of potential dangers off the coast. A lightship was a ship that anchored off the coast and shone a bright light at night.</p> <p>This statement is: True / False</p>
_____	7	<p>Climb the Tower! Before you climb, make sure you review some safety instructions with your troop or family.</p> <ol style="list-style-type: none"> 1. Tie your shoelaces and tuck the bows/tails in—no running or pushing. 2. Do not drop anything from the tower – inside or out! 3. Drink water and stay hydrated. It's a work-out climbing 219 steps, especially in Florida where it can be warm and humid! 4. Please do not shout inside the tower. Sound echoes a lot and other people are visiting the lighthouse too. <p>Do not climb alone – make sure you are always with a grown-up!</p>
_____	8	<p>Mark of the Crown! One of the objects our maritime archaeologists recovered from the 1764 <i>Industry</i> shipwreck was one of the eight 2,000-lb cannons the ship carried. Use the cannon itself and the signs around it to identify the Mark of the Crown on the cannon and then determine what country the cannon belonged to.</p> <p>(Please DO NOT touch the cannon when looking for the marks!)</p>

	9	<p>Tides of Time! Find the timeline on the first floor of the keepers' house. See if you can find the following events and put them in order, with #1 being the oldest, #8 being the most recent.</p> <p> <input type="checkbox"/> JSL opens Lighthouse Museum <input type="checkbox"/> Electricity installed in tower <input type="checkbox"/> Oil freezes in tower <input type="checkbox"/> Bridge of Lions completed <input type="checkbox"/> Florida's first lighthouse is lit <input type="checkbox"/> Castillo de San Marcos built <input type="checkbox"/> 2" of snow falls in St. Augustine <input type="checkbox"/> 5,000 people visit the lighthouse </p> <p><i>Answers can be found at the very end of this packet – don't peek!</i></p>
	10	<p>Ask the staff member at the top of the lighthouse about the Spanish Watchtower! (This requires climbing the tower) The Spanish built a lighthouse on Anastasia Island in 1737. The current lighthouse—built in 1871-1874—was its replacement. Ask the staff member where the 1737 tower was and why it fell into the ocean.</p> <p>Why it fell: _____</p>
	11	<p>Tie the knots! Whether you are camping, sailing, or just tying your shoes, you need to know how to tie knots. Try to master all four of the knots in the hands-on display.</p> <p>Name the knot you found to be easiest: _____</p>
	12	<p>It's electric! Lighthouse archaeologists clean and conserve metal shipwreck artifacts with a process called electrolysis. Electrolysis uses electricity to clean salt out of metal. There are two large artifacts that you can actually SEE going through electrolysis on our site. Find these artifacts.</p> <p>HINT: Look outside for two large black tubs</p>

Please remember to return your pencils to the visitor's center.

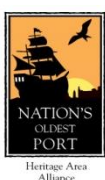


Thanks for visiting us and we hope to see you again!



FIRST LIGHT MARITIME SOCIETY

Building on the History of Our Coast



Visit our website for more information about the St. Augustine Lighthouse and the Nation's Oldest Port!

www.staugustinelighthouse.org

Additional Answers:

- 2. 5 gallons 4. Heat; Fire risk
- 5. Glass 6. True
- 10. Beach erosion

Answers for Timeline:

- | | |
|---|---|
| 8 | 6 |
| 3 | 5 |
| 2 | 1 |
| 7 | 4 |