EXPLORE NAUTICUS
One Waterside Drive • Norfolk, VA 23510
www.nauticus.org

Guidelines: Come see all of the fun and educational exhibitry that Nauticus has to offer! Take a self-guided tour of our museum and complete your age level requirements to earn your Explore Nauticus Patch! Grab a map and program schedule at the front desk when you check-in to help direct you to locations and times of Nauticus’ activities. Place a check by each activity completed and total them at the bottom of the list. **NOTE: Take Action requirements can be completed at home before or after your visit.** Have fun discovering, connecting, and taking action on your exploration hunt!

<table>
<thead>
<tr>
<th>Activity</th>
<th>Discover</th>
<th>Connect</th>
<th>TakeAction</th>
<th>Any Activity Under Any Key</th>
<th>Total Number of Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Girl Scout Daisy</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Girl Scout Brownie</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Girl Scout Junior</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Girl Scout Cadette</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Girl Scout Senior</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>Girl Scout Ambassador</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>8</td>
</tr>
</tbody>
</table>

**Discover:**

1) Learn about local harbor shipping. Answer two of the following:
   a) What is the difference between exports and imports?
   b) How much, in US dollars, does the Port of Virginia export each year?
   c) What is a TEU?
   d) What are the heavy fiber lines called that Moran Tugboats use when pulling on large ships?
   e) Where can you find a chicken coop on a tugboat?

2) Explore the life of a sailor. Do two of the following:
   a) Learn to tie a bowline, square knot, or cleat hitch and their uses at our Knot Tying station.
   b) Spell your name to a friend in Morse code using the Marconi Wireless Telegraph or Signal Lights.
   c) Compare the weight of a Battleship 16” shell to a Volkswagen Beetle car.
   d) Operate a camera on the remote model surveillance plane, the Pioneer RPV, that was used on the Battleship Wisconsin to locate war enemies.

3) Identify the important roles of NOAA. Answer two of the following:
   a) What does NOAA stand for?
   b) How is NOAA helping to restore the health of the Chesapeake Bay?
   c) What was Thomas Jefferson’s role with NOAA?
   d) What are some examples, both past and present, that NOAA uses to assist in mapping the ocean floor for navigation?

4) Attend a Science on a Sphere program to learn about real-time weather, ocean currents, our galaxy, and animal migrations.
5) Visit our Shark Lab exhibit. Answer two of the following questions:
   a) What are the species of sharks does Nauticus have?
   b) How do our sharks reproduce- lay eggs or give live birth?
   c) If a shark likes to eat clams, are they going to have sharp, pointed teeth or round, blunted teeth?
   d) Would you need to use a shark cage to research our species of sharks if they were out in the wild?

6) Watch one of our 3-D educational movies in our large Nauticus Theater.

Connect:
1) As a team, build and test a model underwater robotic remotely operated vehicle (ROV) in our SeaBots Lab.

2) Take a self-guided tour of one of the nation’s last Battleship, the Battleship Wisconsin.
   While on your tour, answer two of the following questions:
   a) Where was the Battleship Wisconsin built?
   b) What is the area of the ship called where the captain steers?
   c) What are three types of gun weaponry on the ship?
   d) What wars did the Battleship Wisconsin serve in?
   e) What types of communication methods were used on the ship?

3) Visit the United States Navy Fleet Forces Command Stewards of the Sea exhibit to learn about how our local civilians and sailors demonstrate environmental stewardship and protects our world’s oceans.

4) Attend one of our interactive, education programs throughout Nauticus and the Battleship Wisconsin- Great Guns of Fire, Fire Suppression, Signal Flags, High Seas, or Living River, Hidden World to learn about topics from Battleship safety to the health of our local Elizabeth River.

Take Action:
1) Take a look at the Nauticus’ website at www.nauticus.org to see what exhibits will interest you most during your visit. Draw a floor diagram of Nauticus and label each of the exhibits that you want to visit for your Explore Nauticus patch. Share it with other girls that you know that will be visiting Nauticus soon with their troop to prepare them for their visit.

2) Research careers in maritime, naval, or marine science that can be found at Nauticus (example- Aquarist, Maritime Historian). Choose your favorite and write a job description for this to share with your troop leader.

3) Give a poster or power point presentation on an animal that lives in or around the Chesapeake Bay to younger troop members.

4) Record weather conditions for a week that includes air temperature, cloud cover, and humidity. Share your results with your troop.