

Coastal Fun

by Girls Love Scouting

Daisies & Brownies: Do 3 Activities

Juniors & Cadettes: Do 7 Activities

Seniors & Ambassadors: Do All Activities

1. Learn about the four types of coastlines. If you live in a coastal state, which coastline does your state have? If you don't live in a coastal state, find the closest coastal state and decide what type of coast that state has. What characteristics define each coastline?

1. Emergent coastline
2. Submergent coastline
3. Concordant coastline
4. Discordant coastline

2. Learn about tides.

1. Research tides and moon phases. How do the tides and phases of the moon interact?
2. Choose a beach and determine when it experiences high and low tide on the shoreline.
3. Learn about what a riptide is and how to spot one.
4. Learn what to do if you are caught in a riptide and how to safely swim out of one.

3. Learn about shells

1. Learn the difference between a bivalve and a gastropod
2. Use the activity linked to classify three or more shells (Either collect shells or print out pictures of shells from the internet if you aren't able to find shells)

Link to Activity:

<https://www.monroecti.org/cms/lib/PA03000492/Centricity/Domain/143/shell%20observations.pdf>

3. Collect or print out pictures of 1-3 shells. For each shell answer the following:

- What creature lived in the shell?
- How did the creature feed and what did it eat?
- How did the animal protect itself?
- What were the animal's predators?

4. Learn about animals

1. What animals call the coastline closest to you home?
2. Choose two animals and learn the following:
 - Does the animal live at the coastline year-round or does it migrate?
 - What does the animal eat?
 - What are the animal's predators?

5. Learn about plants

1. What plants live on the coastline closest to your home?
2. Choose two and learn the following:
 - What does it look like?
 - How is it pollinated?
 - Does it have any medicinal uses?
 - Is it edible? If so, what are some ways it's used in meals?

5. Learn about careers. Explore 1-3 careers that involve the coastline. Some options include...

1. Marine Biologist
2. Oceanographer
3. Marine Geologist
4. Hydrologist
5. Marine Archaeologist
6. Surf Instructor
7. Beach Attendant
8. Aquatic Veterinarian

6. Learn about beach / shoreline conservation. What is it? Why is it important? How can you be involved?

7. Learn about warning flags you might encounter on the beach coastline. Why is it important to have a universal warning flag system? Discover what the following flags mean:

1. Double red
2. Single red

3. Yellow
4. Green
5. Purple

Fun Related Activities:

Dissolving shells with vinegar - an example of how shells are affected by erosion in the ocean

<https://littlebinsforlittlehands.com/seashells-with-vinegar-ocean-chemistry/>

Create an ocean floor with shaving cream and food coloring to create a 3D model of the ocean floor

<https://littlebinsforlittlehands.com/ocean-floor-for-kids/>

Create your own salt dough shells

<https://littlebinsforlittlehands.com/starfish-craft-for-preschoolers/>