



# Ocean Science

There are many fascinating things in the ocean that are fun to study. Oceanography, or the study of the physical and biological aspects of the ocean, has many topics that can further your knowledge of the ocean! Some topics to explore could be the ecosystems of the ocean, ocean currents or waves, or the plate tectonics and the geology of the sea floor. Any of these topics could be of interest and make studying the ocean fun and exciting!

STEM activities can be geared toward the study of the ocean. One easy activity is outlined below:

## Water/Shoreline Erosion

### Materials

- 9x13
- Sand
- Water
- Water bottle

1. Place sand on one side of the pan. Make it a steep slope
2. Pour water into the other side, until it's halfway up your sand slope.
3. Place your water bottle on the end with the water. Push the bottle down to create small waves. Do this, consistently and evenly for 1 whole minute. Write down what you observe.
4. Push again with your water bottle for another minute. You may make your waves bigger, or keep them the same size. Make observations.

Additional easy STEM experiments can be found at:

<https://asrochelle.com/rochelle-barlow/ocean-science-experiments>

If you are looking to get out of the house, a fun movie currently showing at COSI on their giant screen theater is "Oceans: Our Blue Planet". It is running from November 14 – December 23 from 12:00-2:00 (Best for ages 7+ | Running Time 42 minutes | Shown in 2D).

Any questions, contact Annette King at [twinkings2@gmail.com](mailto:twinkings2@gmail.com)!