

# OCEAN EXPLORERS

## PARENT GUIDE

Get a glimpse into each day of camp, including what your camper will be learning, questions to spark conversation, and a supplies list to get them ready for their summer of learning fun!

	Daily Theme	Daily Supplies	Camper Questions
DAY 1	<p>Monday*</p> <h3>MOVING &amp; SHAKING</h3> <p>Did you know that there are mountains and canyons under the deep blue sea? Learn about what makes our land move and shake and all about the geography of the oceans!</p>	<ul style="list-style-type: none"> <li>• Small bottle</li> <li>• Large glass container</li> <li>• Food coloring (1 color)</li> <li>• Hot &amp; cold water</li> <li>• Pack of snack cracker sandwiches (ex. Oreos, Keebler, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>• How are underwater mountain ranges formed?</li> <li>• What's the deepest part of the ocean?</li> <li>• How does an animal without a brain, like jellyfish, move?</li> </ul>
DAY 2	<p>Tuesday</p> <h3>SHELL-ABRATE</h3> <p>Become an ocean chemist and learn how acidification of the ocean can change the lives of animals that live, breathe, and swim there.</p>	<ul style="list-style-type: none"> <li>• Water</li> <li>• Table salt</li> <li>• Eggshells, chalk, Tums, or Alka Seltzer tablets</li> <li>• 3 clear containers</li> <li>• Vinegar (white, apple cider, etc.)</li> <li>• Paper, Post-it notes, or labels</li> </ul>	<ul style="list-style-type: none"> <li>• How do animals make their shells?</li> <li>• What is an acid and how would it affect a sea snail?</li> <li>• Why is our ocean getting more acidic?</li> </ul>
DAY 3	<p>Wednesday*</p> <h3>LET'S NAME THE ZONES</h3> <p>Jump into the open ocean and discover the different zones, ocean currents, and how sharks use buoyancy and water currents to conquer the seas.</p>	<ul style="list-style-type: none"> <li>• Oil</li> <li>• Water</li> <li>• Bucket</li> <li>• Dish soap</li> <li>• Jar &amp; funnel</li> <li>• Cardboard</li> <li>• Scissors &amp; markers</li> <li>• Toilet paper roll</li> <li>• 2 plastic ziplock bags</li> <li>• Food coloring (red, blue, and green)</li> <li>• Syrup (can make syrup using sugar &amp; water)</li> </ul>	<ul style="list-style-type: none"> <li>• How far does sunlight reach in the ocean?</li> <li>• How many different layers are there in the ocean?</li> <li>• Do sharks float, and if so, how do they?</li> </ul>
DAY 4	<p>Thursday</p> <h3>SUPER STORMS</h3> <p>Batten down the hatches, its hurricane season! Explore the wind, rain, and water cycles that can create super storms larger than countries.</p>	<ul style="list-style-type: none"> <li>• Water</li> <li>• Jar</li> <li>• Paper or coffee paper</li> <li>• Food coloring (multiple colors)</li> <li>• Shaving cream or whipped cream</li> </ul>	<ul style="list-style-type: none"> <li>• How are storm clouds made?</li> <li>• What happens during an El Niño event? Have you ever experienced one?</li> <li>• What challenges do storms and waves create for animals in the tide pools?</li> </ul>
DAY 5	<p>Friday*</p> <h3>HEART OF THE CLIMATE</h3> <p>Find out how the ocean is the heart of our planet and keeps us all alive. Learn how we can support the ocean and the health of all living creatures.</p>	<ul style="list-style-type: none"> <li>• Oil</li> <li>• Ice</li> <li>• Tape or glue</li> <li>• Pens, markers, crayons</li> <li>• Large bucket, pail, or container</li> <li>• Colored paper strips (about 10-15)</li> <li>• Small plastic items (i.e. bottle caps, beads, toys)</li> </ul>	<ul style="list-style-type: none"> <li>• Do you think people change the climate? How about the ocean?</li> <li>• Why should the people who don't live near an ocean care about it?</li> <li>• Why do you think we call the ocean the 'heart of the climate'?</li> </ul>

\*Science can get messy. We recommend having towels, newspapers, a tarp or tray on hand for this activity to help contain any spills.