

# Discovering Shells

## Overview

**Overall Goal: Children use multiple attributes to sort and categorize shells, and learn about their functions.**

Lesson	Objectives	Vocabulary	Key Concepts	Tools
#1: Waves in a Bottle	Children will create a beach model with water, sand, tiny rocks and seashells.	beach cockle shell conch shell ocean seashell(s) waves	<ul style="list-style-type: none"> <li>The crashing and grinding action of waves can cause seashells to break into small pieces.</li> <li>Ocean waves and wind can carry shells, pieces of shells and tiny rocks to shore, creating sand.</li> <li>Many animals that have shells to protect their bodies can be found in the ocean.</li> <li>A model isn't the real thing. It gives us an idea of what the real thing is like.</li> </ul>	beach model
#2: Shells Protect	Children will understand that shells provide protection for mollusks.	hard/soft inside/outside model mollusk(s) protect	<ul style="list-style-type: none"> <li>Shells come from animals called mollusks.</li> <li>Mollusks live inside a shell, which they make, and that is part of their body.</li> <li>The hard shell protects their soft bodies.</li> <li>Mollusks cannot come all the way out of their shells.</li> <li>A model isn't the real thing. It gives us an idea of what the real thing is like.</li> </ul>	mollusk model
#3: Shells on the Beach	Children will sort shells using one attribute at a time.	auger shell large/small magnifier moon snail shell pointy/round rough/smooth shiny/dull	<ul style="list-style-type: none"> <li>Different types of shells have different names.</li> <li>Shells can be found at the beach.</li> <li>Shells are hard.</li> <li>Shells have many different shapes, sizes, textures, colors and patterns.</li> </ul>	large magnifier
#4: Shell Mystery	Children will classify shells using multiple attributes at the same time.	chart column conchologist row same/different	<ul style="list-style-type: none"> <li>Shells can be sorted by shape and color.</li> <li>Shells can be classified using more than one attribute.</li> </ul>	chart/matrix