

Sandy Beach Thematic Instructional Sequence

Activity	Concepts
<p>BEACH BUCKETS SCAVENGER HUNT 3 sessions</p>	<ul style="list-style-type: none"> • <i>Objects found on the sandy beach can be grouped into: evidence of plant life, evidence animal life, evidence of humans, and non-living material.</i> • <i>Sand is made of tiny bits of everything that is found on the beach.</i>
<p>Transition: Now that we have taken a look at some of the clues or "evidence of life on a sandy beach, let's look closely at the sand itself and see if we can determine what it might be made of.</p>	
<p>SAND ON STAGE 3 sessions</p>	<ul style="list-style-type: none"> • <i>Sand grains can be made of animals, plants, rocks, or minerals.</i> • <i>Sand grains come in many different shapes, sizes, and colors.</i> • <i>Differences between sand grains can be clues about where the sand came from and how it got to the beach.</i>
<p>Transition: After looking closely at beach sand, we can predict whether or not there were many animals in shells that live on that beach. We are now going to look at some shells that may someday become sand.</p>	
<p>SIGHTS THAT SAND HAS SEEN 3 sessions</p>	<ul style="list-style-type: none"> • <i>Sand is created by erosion, and can be carried long distances by streams, rivers and ocean currents to the beaches where it is deposited.</i>
<p>Transition: After looking closely at beach sand, we can predict whether or not there were many animals in shells that live on that beach. We are now going to look at some shells that may someday become sand.</p>	

<p>SHELL SORTING 2 sessions</p>	<ul style="list-style-type: none"> • <i>Shells come in many different shapes and sizes. Each type is made by a different kind of animal for use as a shell home.</i>
<p>Transition: We have seen many different kinds of shells made by many different kinds of seashore organisms. Many of the shells we saw were made by mollusks. But what happens to the shell after the mollusk dies and before the shell is eroded into sand? Let's look closely at a colorful and interesting living animal that makes its home in an empty mollusk shell on a sandy beach.</p>	
<p>HERMIT CRABS IN THE CLASSROOM 2 sessions</p>	<ul style="list-style-type: none"> • <i>Hermit crabs have special adaptations for living within the sandy beach ecosystem.</i>
<p>Transition: There are many other kinds of animals that depend on the sandy beach for part of their lives. Let's take a closer look at seals and sea lions and how they use the sandy beach.</p>	
<p>EARS TO YOU! 2 sessions</p>	<ul style="list-style-type: none"> • <i>Seals and sea lions are mammals that have special ways of surviving in the ocean. They have many things in common, but are not exactly the same.</i>
<p>Transition: The changing tides and crashing waves can make an oil spill on a beach especially difficult to clean up. Let's observe the effects of an oil spill on a beach and try to clean it up.</p>	
<p>OIL ON THE BEACH 3 sessions</p>	<ul style="list-style-type: none"> • <i>Oil spilled at sea can travel with currents, tides and waves to the sandy beach where it can harm the animals that live there.</i>