



Let's Find Out About It: *Tide Pools*

Standard Connection:
ELA.RI.PK4.3, 8, 10
ELA.L.PK4.5
SS.OW.PK4.2
S.LS.PK4.4a-c

Enduring Understanding(s):

- Animals have unique characteristics. Some of these characteristics help them to survive in their habitat.
- Like humans, animals are part of interdependent communities that are affected by and adapt to the environment that surrounds them.

Essential Question(s):

- What is a tide pool? What animals live in a tide pool, what do they eat, and how do they survive/protect themselves?

Materials	Vocabulary	Books
<ul style="list-style-type: none"> • <i>Tide Pools</i> • virtual tide pool exploration (if viewing a printed copy, go to Seacoast Science Center, click on “Learn” at the top, then click on “Your Learning Connection” and the Virtual Tide Pool Exploration Button is located after the description) • images (see Resource) 	<p>tide pool: a body of water from the sea that remains as a rocky pool on the beach when the waves move back from the shore</p> <p>barnacles: a sea animal that attaches its shell to various items in the ocean</p> <p>urchins: a marine animal with moving spines on a round body</p> <p>high tide: the time of day when the tide is highest or when the tide reaches its highest point</p> <p>low tide: the time of day when the tide is lowest or when the tide reaches its lowest point</p>	

Let's Find Out About It:	
Preparation: <i>Set up materials.</i>	
"The water in the ocean is always moving. The water comes in and out over the beach. When water moves onto the beach, we call it high tide ."	Show children images of high tide. Children respond.
<p>"When water goes back out into the ocean, we call it low tide."</p> <p>"At high tide, the water and animals get trapped in the rocks and sand. When that happens, the water forms a little pool called a tide pool. We can see tide pools at low tide when the water leaves the beach."</p>	Show children images of low tide. Children respond.
"The tide pool becomes a habitat for many sea animals and plants."	Show images of tide pool plants and animals. Encourage a discussion among children.

Community Connections:

Invite someone from the local aquarium or science museum who will bring tidepool animals to show and share with the children.

Center Connections:

In the Science Center, help children to create a tidepool. Help children to think about what animals live there and how to create them.