

## Kelp Forest Thematic Instructional Sequence

Activity	Selected Concepts
<b>RED FISH ROUNDUP</b>	<ul style="list-style-type: none"> <li>• <i>Some fish hide from predators at depth by using camouflage color.</i></li> </ul>
<p><b>Transition:</b> Some fish use color to camouflage themselves to hide from predators or to sneak up on their food. Let's turn one of our classmates into a "fish" to look at other ways fish may be adapted to catch prey, hide and swim.</p>	
<b>FISH FORMATION</b>	<ul style="list-style-type: none"> <li>• <i>Different kinds of fishes have many similarities since all are adapted to life in water.</i></li> </ul>
<p><b>Transition:</b> There are many different kinds of fish, each adapted to a particular lifestyle and habitat. Let's look at actual fish and their adaptations and then make hypotheses about where they live, how they swim and what they eat.</p>	
<b>IT TAKES ALL KINDS</b>	<ul style="list-style-type: none"> <li>• <i>Fish come in a great array of forms, colors and shapes, which can be used to predict the habitat and lifestyle to which they are adapted.</i></li> </ul>
<p><b>Transition:</b> Let's make a beautiful work of art to honor "our" fish and to display to remind of us of all we have learned about it.</p>	
<b>GYOTAKU</b>	<ul style="list-style-type: none"> <li>• <i>The art of gyotaku has been used for centuries in Japan to document and honor the catch.</i></li> </ul>
<p><b>Transition:</b> One of the reasons so many diverse fish can be found in the kelp forest is because there are so many different places for animals to live. Now let's take a look at how another kelp forest animal is adapted to live here and learn about its interactions with the habitat and other organisms.</p>	

<p><b>SEA OTTER JEOPARDY</b></p>	<ul style="list-style-type: none"> <li>• <i>Sea otters have many adaptations, which help them to be successful in their habitat and in interactions with other organisms.</i></li> </ul>
<p><b>Transition:</b> Sea otters eat large numbers of herbivores which eat kelp, thereby helping the forest thrive and providing people with many valuable resources. Let's have a smorgasbord and taste some of the items made from seaweed.</p>	
<p><b>SEAWEED SMORGASBORD</b></p>	<ul style="list-style-type: none"> <li>• <i>People around the world depend on seaweed for many important everyday uses.</i></li> </ul>
<p><b>Transition:</b> All of the organisms living within a kelp forest are dependent upon the health of the kelp forest and are affected by seasonal changes to their home. Now we are going to perform a play that shows the seasonal changes that effect the life within a kelp forest.</p>	
<p><b>SEASONS OF THE KELP FOREST</b></p>	<ul style="list-style-type: none"> <li>• <i>Like land habitats, a kelp forest goes through seasonal changes that effect the animals and plants within the community.</i></li> </ul>
<p><b>Transition:</b> Now we are going to do further research about an organism from the kelp forest and make presentations to the rest of the class. Then we will demonstrate all we've learned by constructing our organisms and adding them to a giant model of a kelp forest.</p>	
<p><b>BUILD A KELP FOREST</b></p>	<ul style="list-style-type: none"> <li>• <i>Kelp forests are home to many diverse organisms that interact with one another.</i></li> </ul>