



EDUCATION

GEORGIA AQUARIUM

Instructional Segment	Oh, Where the Tide Will Go!	Kelp-ing the Balance	20,000 Lights Under the Sea
<p>Grade 4 Program Synopsis</p>	<p>Students will explore multiple galleries around the Aquarium to investigate the phases of the moon, the water cycle and how the moon affects tidal changes around the world. Students will view animals that use the moon and tides to determine important life events and be captivated by animals that are affected by the water cycle.</p>	<p>Students will investigate the relationship between sea urchins, sea otters and kelp to discover how the kelp forest ecosystem could be impacted if one of these elements becomes more prominent or absent. Students will also be challenged to think about how changes in nonliving factors may change an entire coral reef ecosystem while looking at one of the largest man-made coral reef habitats in the United States.</p>	<p>Students will discover the role that gravity and pressure play on different animals in the deep oceans and along the coasts while viewing animals in our collection. Students will also identify how light interacts with objects and animals.</p>
<p>Key Terminology</p>	<ul style="list-style-type: none"> • Moon Phases • High Tide • Low Tide • Water Cycle 	<ul style="list-style-type: none"> • Ecosystem • Consumer • Producer • Keystone Species • Food Chain 	<ul style="list-style-type: none"> • Pressure • Gravity • Transparent • Translucent • Opaque
<p>Georgia Standards of Excellence</p>	<p>S4E2b. S4E3b.</p>	<p>S4L1b. S4L1c.</p>	<p>S4P1a. S4P3b.</p>
<p>NGSS Standards</p>	<p>MS-ESS1-1 MS-ESS2-4</p>	<p>5-LS2-1 MS-LS2-1</p>	<p>4-PS4-2 MS-PS2-4</p>

