



# EDUCATION

GEORGIA AQUARIUM

Instructional Segment	Phenomenal Behaviors	A Shark's Sixth Sense	Big Changes, Small Organisms
<p><b>Grade 5 Program Synopsis</b></p>	<p>How do animals change their behaviors based on the physical changes in their environment? Students will explore the meaning of constructive and deconstructive forces. The class will also explore the difference between inherited and learned behaviors of animals and how their behaviors are used in their natural habitats and in human care.</p>	<p>Sharks and rays are related scientifically, so what similarities and differences do they have? Students will analyze the scientific classification for sharks and rays, as well as how they both use electromagnetism to navigate and find prey</p>	<p>How are microscopic organisms affected by the change in water temperature? How do microscopic organisms benefit the aquatic ecosystem at large? Students will discuss multiple microorganisms that are significant to the marine ecosystem and their symbiotic relationship with other organisms.</p>
<p><b>Key Terminology</b></p>	<ul style="list-style-type: none"> <li>• Constructive Forces</li> <li>• Deconstructive Forces</li> <li>• Instinctive Behaviors</li> <li>• Learned Behaviors</li> </ul>	<ul style="list-style-type: none"> <li>• Chimaera</li> <li>• Ampullae of Lorenzini</li> <li>• Electromagnetism</li> <li>• Electroreception</li> <li>• Scientific Classification</li> </ul>	<ul style="list-style-type: none"> <li>• Symbiotic Relationship</li> <li>• Mutualism</li> <li>• Zooxanthellae</li> <li>• Polyp</li> <li>• Physical Change</li> <li>• Coral Bleaching</li> <li>• Water Molecule</li> <li>• Diatom</li> </ul>
<p><b>Georgia Standards of Excellence</b></p>	<p><b>S5E1b.</b> <b>S5L2a.</b></p>	<p><b>S5L1a.</b> <b>S5P3a.</b></p>	<p><b>S5L4a.</b> <b>S5P1b.</b></p>
<p><b>NGSS Standards</b></p>	<p><b>4-ESS2-1</b></p>	<p><b>MS-PS2-3</b></p>	<p><b>MS-LS1-6</b></p>

