

Instructional Segment	Ocean pHENomenon	Invasive Georgia
<p><i>Grades 9-12</i> Program Synopsis</p>	<p>Earth’s climate is changing and significantly affecting ocean life. With increased carbon dioxide lingering in the atmosphere, much of it is absorbed into the oceans and affects the chemical properties in the water that many organisms depend on. Students will assess the chemistry behind ocean phenomena like ocean acidification and coral bleaching. In addition, students will dive into coral taxa and their differentiating characteristics.</p>	<p>Humans are altering landscapes, ecosystems and global patterns, from climate change to introduction of non-native species and much more. Non-native species often get introduced to a new area accidentally and can take root to become an invasive species which negatively impacts the environment. Students will identify invasive species in Georgia and create a plan of action to manage the problems.</p>
<p>Key Terminology</p>	<ul style="list-style-type: none"> • Coral Bleaching • Ocean Acidification • pH • Carbonic Acid 	<ul style="list-style-type: none"> • Ecosystem • Invasive Species • Economics • Pet Trade • Biodiversity • Habitats
<p>Georgia Standards of Excellence</p>	<p>SZ1a. SC2d.</p>	<p>SEC3c.</p>
<p>Next Generation National Science Standards</p>	<p>HS-PS1-1</p>	<p>HS-LS2-7.</p>

