

Instructional Segment	Traversing Technology	Oceanic Occupations	Predator Pressures
<b>Grades 9-12 Program Synopsis</b>	How has technology developed to help humans understand marine environments? Our planet is mostly made of water and yet, humans know less about our own oceans than we do about our solar system. In this program, students will observe some of these tools and analyze their purpose for ocean exploration.	What kind of background or degree is needed to obtain various careers at Georgia Aquarium? Students will explore a variety of career pathways one can follow here at Georgia Aquarium. Dive deep beneath the waves and explore how animal care specialists, chemists, engineers and nutritionists keep the Aquarium afloat!	Sharks play a major role in maintaining aquatic ecosystems by altering other animals behavior as well as consuming sick or elderly animals. Students will relate abiotic and biotic, notably sharks, influence on the health of these wonderful ecosystems.
<b>Key Terminology</b>	<ul style="list-style-type: none"> <li>• Remotely Operated Vehicle (ROV)</li> <li>• Current, Temperature, Depth Device (CTD)</li> <li>• SCUBA</li> <li>• Photogrammetry</li> <li>• Satellite Tag</li> <li>• Coral Core</li> </ul>	<ul style="list-style-type: none"> <li>• Preventative Health Care</li> <li>• SCUBA</li> <li>• Hematology</li> <li>• Cytology</li> <li>• Animal Nutrition</li> <li>• Sustainability</li> <li>• Filtration</li> </ul>	<ul style="list-style-type: none"> <li>• Biotic Factor</li> <li>• Abiotic Factor</li> <li>• Trophic Level</li> <li>• Apex Predator</li> <li>• Biodiversity</li> <li>• Ecosystem</li> </ul>
<b>Georgia Standards of Excellence</b>	SO1b. SB5d.	SZ5. SSPFL4.	SO3d. SEC3d.
<b>NGSS/CTAE</b>	HS-ESS3-4	AC-FPPS-7, HUM-FNW-3, AFNR-VS-8, AFNR-VS-11	HS-LS2-6

