

# Marine Science 1 Honors

		Description of Average Weekly Outside Requirements	
<p><b>Main Topics</b> (What main ideas/concepts are covered):</p> <ul style="list-style-type: none"> <li>• Physical/Chemical Oceanography</li> <li>• Marine Biology</li> <li>• Marine Ecology</li> <li>• History of Marine Science</li> <li>• Real world skills for Marine Science</li> </ul>	<p><b>Rationale</b> (Why a student should take this course):</p> <p>Marine Science Honors is an opportunity for students to explore the vast diversity of life present in the world's ocean. By using real world skills applied by marine scientists, they can learn how we understand our watery planet.</p>	<p><b>Reading</b> (Text, document, etc.):</p> <ul style="list-style-type: none"> <li>• Research documents</li> <li>• Articles on current events</li> <li>• Textbook: Introduction to Marine Biology</li> </ul>	<p><b>Written</b> (Terms, questions, outlines, free response, etc.):</p> <ul style="list-style-type: none"> <li>• Analyzing and interpreting real-world data</li> <li>• Research on biology/ecology</li> <li>• Mini-projects</li> </ul>
<p><b>Grade Composition</b> (How grades are determined):</p> <ul style="list-style-type: none"> <li>• Tests</li> <li>• Quizzes</li> <li>• Classwork</li> <li>• Homework</li> <li>• Bell work</li> <li>• Projects</li> <li>• Labs</li> </ul>	<p><b>Skill Development</b> (Skills developed in this course and how):</p> <p>Marine Science Honors emphasizes the importance of independent work during the application and development of major scientific skills. These include investigation, analysis, question-asking, and the evaluation of real-world situations. By using scientific inquiry, students learn how proper means of measurement and problem solving.</p>	<p><b>Sample Textbook Excerpt:</b></p> <p>There is perhaps no better way to learn about the delicate balance of natural systems than to study marine organisms and the communities they form. This pursuit is not only fascinating in itself but also teaches us how important the ocean and its inhabitants are to humans and why we should try to preserve and conserve these resources. The diversity of marine organisms has attracted naturalists and scientists from the earliest days of human history, and the rich history of marine biology has strongly influenced the modern science we know today. This textbook will introduce you to the importance of oceans and their inhabitants and the developments that have formed the modern science of marine biology.</p> <p><i>Introduction to Marine Biology</i></p>	
<p><b>Required Skills</b> (Skills necessary to be successful in this course)</p> <ul style="list-style-type: none"> <li>• Following instructions</li> <li>• Independent work ethic</li> <li>• Organization</li> <li>• Reading comprehension</li> <li>• Critical thinking</li> </ul>			