



# Honors Marine Ecology 2021-2022



<p style="text-align: center;"><b>Teacher Contact Information</b></p> <p><b>Teacher Name:</b> B. Carl Rush</p> <p><b>Email:</b> <a href="mailto:brush@wcpss.net">brush@wcpss.net</a></p> <p><b>Twitter:</b> <a href="https://twitter.com/sciencrush">@sciencrush</a></p>	<p style="text-align: center;"><b>Accessing the Course</b></p> <p><b>Link to WakeID Portal:</b> <a href="http://wakeid2.wcpss.net">http://wakeid2.wcpss.net</a></p> <p><b>Class Website:</b> <a href="http://www.sciencrush.net">www.sciencrush.net</a></p>				
<p style="text-align: center;"><b>Course Description</b></p> <p>Marine Ecology focuses on the interrelationships among marine organisms and the physical, chemical, geological, and biological factors in their environment. The importance of the marine environment will be stressed along with coastal processes in NC. The recommended prerequisites for Honors Marine Ecology are Biology and either Earth Science or AP Environmental Science. Students will also be expected to have common algebraic math skills.</p> <p style="text-align: center;"><b>Course Standards</b></p> <p style="text-align: center;"><a href="#">WCPSS Honors Marine Ecology State Standards</a></p>					
<p style="text-align: center;"><b>Course Progression</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <p><u>Quarter 1 (or 3) – 40% of Final Grade</u></p> <ul style="list-style-type: none"> <li>1-Chemical &amp; Physical Oceanography</li> <li>2-Prehistoric Oceans</li> <li>3-Plankton</li> <li>4-Benthos &amp; Meiofauna</li> <li>5-Oceanic Nekton Part One: Fishes</li> </ul> </td> <td style="width: 50%; border: none; vertical-align: top;"> <p><u>Quarter 2 (or 4) – 40% of Final Grade</u></p> <ul style="list-style-type: none"> <li>6-Oceanic Nekton Part Two: Tetrapods</li> <li>7-The Deep Sea</li> <li>8-Tropical Communities &amp; Symbiotic Relationships</li> <li>9-Intertidal Ecology, Estuaries &amp; Salt Marshes</li> <li>10-Human Impact on the Sea</li> </ul> </td> </tr> <tr> <td colspan="2" style="border: none; text-align: center;"> <p>CUMULATIVE FINAL EXAM – 20% of Final Grade</p> </td> </tr> </table>		<p><u>Quarter 1 (or 3) – 40% of Final Grade</u></p> <ul style="list-style-type: none"> <li>1-Chemical &amp; Physical Oceanography</li> <li>2-Prehistoric Oceans</li> <li>3-Plankton</li> <li>4-Benthos &amp; Meiofauna</li> <li>5-Oceanic Nekton Part One: Fishes</li> </ul>	<p><u>Quarter 2 (or 4) – 40% of Final Grade</u></p> <ul style="list-style-type: none"> <li>6-Oceanic Nekton Part Two: Tetrapods</li> <li>7-The Deep Sea</li> <li>8-Tropical Communities &amp; Symbiotic Relationships</li> <li>9-Intertidal Ecology, Estuaries &amp; Salt Marshes</li> <li>10-Human Impact on the Sea</li> </ul>	<p>CUMULATIVE FINAL EXAM – 20% of Final Grade</p>	
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<p style="text-align: center;"><b>Grading</b></p> <ul style="list-style-type: none"> <li>- <u>Grade Weights</u> Tests: 50% (5 grades per quarter) Labs: 30% (approximately 20 per quarter) Projects: 20% (2 grades per quarter)</li> <li>- <u>Late Work</u> is accepted at 80% credit by the end of the unit and 60% credit thereafter, until end of quarter.</li> </ul>	<p style="text-align: center;"><b>Resources</b></p> <p style="text-align: center;"><a href="#">Review page</a> on class website</p> <p style="text-align: center;"><b>Materials</b></p> <p style="text-align: center;">Notebook (3-ring binder preferred) notebook paper / graph paper / pencils wetland boots (optional)</p>				
<p style="text-align: center;"><b>Field Experiences &amp; Dissection</b></p> <p>Marine Ecology has a field component, and students are required to participate in field experiences during class. Dissection is one of many instructional methods that may be used in laboratory science courses. Students may request alternatives to dissection from the teacher. Alternatives may be completed for full credit.</p>					
<p style="text-align: center;"><b>Correspondence</b></p> <p>Emails will be responded to within 24 business hours.</p> <p style="text-align: center;"><b>PowerSchool</b></p> <p>Grades are updated in PowerSchool frequently. Both students and parents should check PowerSchool weekly.</p>	<p style="text-align: center;"><b>SMART Lunch</b></p> <ul style="list-style-type: none"> <li>- The Marine room (3322) will be open on Mondays and Wednesdays for extra help. Mr. Rush is also available in 316 every day. No eating is allowed in the classroom while under COVID mask mandate.</li> <li>- Students who attend 4 SMART Lunches in a quarter will receive a 100 lab grade.</li> </ul>				