



Honors Marine Ecology 2022-2023



Teacher Contact Information

Teacher Name:
B. Carl Rush

Email:
brush@wcpss.net

Twitter:
[@sciencrush](https://twitter.com/sciencrush)

Accessing the Course

Link to WakeID Portal:
<http://wakeid2.wcpss.net>

Website:
www.sciencrush.net

Course Description

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.

Course Standards

[WCPSS Honors Marine Ecology State Standards](#)

Course Progression

Quarter 1 (or 3) – 40% of Final Grade

- 1-Chemical & Physical Oceanography
- 2-Prehistoric Oceans
- 3-Plankton
- 4-Benthos & Meiofauna
- 5-Oceanic Nekton Part One: Fishes

Quarter 2 (or 4) – 40% of Final Grade

- 6-Oceanic Nekton Part Two: Tetrapods
- 7-The Deep Sea
- 8-Tropical Communities & Symbiotic Relationships
- 9-Intertidal Ecology, Estuaries & Salt Marshes
- 10-Human Impact on the Sea

CUMULATIVE FINAL EXAM – 20% of Final Grade

Grading

- Grade Weights
Major Assessments: 60% - Tests & Projects
Minor Assessments: 40% - Labs & Classwork
- Late Work is accepted with 5 point deduction for each day until end of unit, with a 20 point cap on deduction.

Resources

[Review page](#) on class website

Materials

Notebook (3-ring binder preferred)
notebook paper / graph paper / pencils
wetland boots (optional)

Field Experiences & Dissection

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.

Correspondence

Emails will be responded to within 24 business hours.

PowerSchool

Grades are updated in PowerSchool frequently. Both students and parents should check PowerSchool weekly.

SMART Lunch

- The Marine room (3322) will be open on Mondays and Wednesdays for extra help with Ms. Robinette. Mr. Rush is available in the APES room (316) all lunch every day.
- Students who attend 4 SMART Lunches in a quarter will receive a 100 classwork grade.