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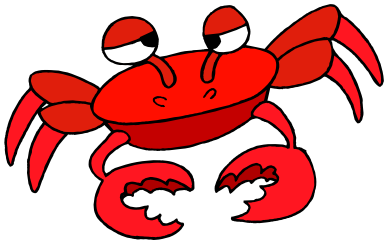
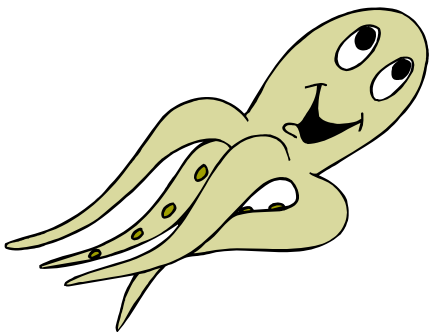
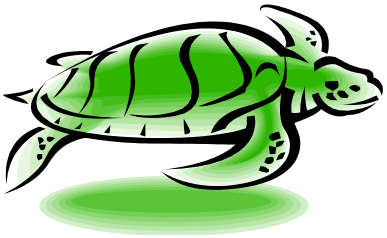
Web resources at:
www.seasidek12.org

# SEASIDE HIGH SCHOOL

## Marine Biology







Textbook: **Marine Biology (Castro-Huber)**

**Background Information**

Marine Biology is an elective, advanced science course. We will be studying a wide variety of topics incorporating multiple disciplines (history, math, music, art, literature, and more). I will also be helping you develop skills you will need for college, such as critical thinking, note taking, self-directed reading, study skills, and self-assessment. *

**Requirements**

- Safe choices and behavior
- Completion of labs, assignments, and projects
- Participate cooperatively in class
- Demonstrate gains in scientific thinking, processes, and knowledge

**Course Objectives and Outcomes**

- While gaining background information and skills necessary for advanced science classes, students will gain an understanding of marine science

****Common Core Standards listed on Back***

## EXPECTATIONS

**Be in class!** You will miss important presentations, activities and labs if you are not present. Many of these events will not be duplicable. If you are absent, then it is up to you to find out what you missed and take care of it before the next class. Participate and you'll find your class time more enjoyable !

**Be responsible!** Along with your completed assignment, bring **only paper, pencils, textbook, and a scientific calculator.** Arrive on time and be ready to learn.

**Be safe!** Safety is a priority in all science classes. Failure to follow clearly outlined safety guidelines may result in removal from class. Students who cannot operate safely in laboratory settings will be given bookwork to cover the same concepts.

## Grading

| | | |
|---|---|---|
| 90- 100 % | = | A |
| 80- 89 % | = | B |
| 70- 79 % | = | C |
| 60- 69 % | = | D |
| 0—59 % | = | F |

In-class activities, labs, assignments, homework checks, quizzes, and exams will be used to assess student progress.

**Rules:** All school rules apply in this class. No food or drink is allowed. Water, however, is acceptable on non-lab days. As we prepare students for college and career readiness, the importance of meeting deadlines is critical to their success. In order to meet that goal, students may not receive full credit for assignments that are not submitted on time as assigned.

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I, _____ understand and agree to the above expectations, grading, and rules.

Print your first and last name here.

_____ _____ _____

Student signature Parent/guardian signature date

**Subject Standards learned in Marine Biology include, but are not limited to:**

H.2L.4 Explain how biological evolution in the consequence of the interactions of genetic variation, reproduction and inheritance, natural selection, and time

H.2L.5 Explain how multiple lines of scientific evidence support biological evolution.

H.2E.2 Explain how Earth's atmosphere, geosphere, and hydrosphere change over time and at varying rates. Explain techniques used to elucidate the history of events on Earth.

H.2E.4 Evaluate the impact of human activities on environmental quality and the sustainability of Earth systems. Describe how environmental factors influence resource management.

H.4D.5 Describe how new technologies enable new lines of scientific inquiry and are largely responsible for changes in how people live and work.

H.4D.6 Evaluate ways that ethics, public opinion, and government policy influence the work of engineers and scientists, and how the results of their work impact human society and the environment.

11-12.RST.2 Determine the central ideas or conclusions of a text; summarizing complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.

11-12.RST.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context.

11-12.RST.8 Evaluate the hypothesis, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.

11-12.WHST.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

11-12.WHST.9 Draw evidence from informational texts to support analysis, reflection, and research.

11-12.WHST.2 Write informative/explanatory texts, including scientific procedures, experiments, or technical processes.