

COURSE TITLE: CP Marine Science

Level of Difficulty	Estimated Homework	Prerequisites
Moderate	30-60 minutes	District: CP Earth Science and Biology (or their equivalents) with a C or better. Department Suggestion: CP Earth Science and CP Biology (or their equivalents) with a C or better.

Course Description:

Marine Science is a combination of Oceanography and Marine Biology and includes investigations into the ocean floor, ocean properties, marine animals and plants (and things not quite one or the other!), and the human impact on the environment. We will focus on the physical ocean, plankton, algae, and marine plants in the first semester. The second semester will focus on invertebrates, fish, marine reptiles and birds, and mammals. Issues regarding climate change, endangered species and miscellaneous human impact issues on the oceans will be covered throughout the course. Labs and many of the questions generated in this course stress scientific critical thinking. Students will conduct pre-designed labs and dissections in order to learn particular scientific concepts. In addition, there will be extensive diagrams and graphing activities, and the use of a course-long logbook into which all instructional products will be accrued. There is also a course long project where students will create a marine storybook focused on ecosystems.

Grading:

The grading system is based on total points. Each assignment will have a point value weighted according to its type. Assessments and labs are weighted more heavily than homework. Individual teachers may make modifications to this grading system.

Syllabus:

Refer to individual teacher Canvas Pages.

Supplemental Information:

This class includes the dissection of animals. Maturity, respect, and attention to safety are expected during these labs. There is also a day long field trip to the UC Santa Barbara Marine Science Laboratory.

UC Subject Area "d"

10 Credits