

2013-2014 Syllabus - Introduction to Marine Science 1,2

3rd Period | Room 701 | Kearny High School- SCT (www.kearnysct.com)

Teacher: Mrs. Jennifer Ogo

Scientist: Mr. Greg Sinnett: Graduate Student at Scripps Institution of Oceanography

Email: jogo@sandi.net

Phone: 858-496-8370 x 4701

Web site: ogomarinescience.weebly.com

Grading Program:

School Website: kearnysct.com

Course Description: *The ocean is a unique place, and Marine Science represents a special opportunity to learn about the least-explored place on earth-- less than 5% of it has been explored. It is estimated that one out of every six jobs in the United States is marine-related, and that 75% of Americans will live in coastal areas by 2025.*

Marine Science builds on the physical science and life science concepts learned in previous science courses and applies that knowledge to the exploration of the living and nonliving environments of our bays and oceans. The first semester focuses on various aspects of oceanography: chemistry, plate tectonics, sediments, ocean and atmospheric circulation, waves, tides, and coastal processes. The second semester will focus on marine biology: plankton, algae, plants, animals, marine ecosystems, and ecology. Students will participate in a variety of learning experiences, including laboratory experiments, discussions, field trips, projects, independent research, and appropriate use of community resources. Ethical and social issues related to the marine environment and anthropogenic-induced climate change will be addressed. The marine science class at Kearny High School- SCT has a unique partnership with Scripps Institution of Oceanography (SIO) at UC San Diego. This National Science Foundation-funded partnership pairs scientists from SIO with high school science teachers in our district, to conduct hands-on science activities. Greg Sinnett is a graduate student at SIO, and will be co-teaching marine science lessons throughout the school year.

Course Objectives (students will be able to) :

1. Express the nature of science
2. Summarize the origins of the oceans
3. Describe the chemical, physical, and geological aspects of the marine environment
4. Explain ecology of various sea zones
5. Give example of marine communities
6. Illustrate the diversity of marine organisms
7. Analyze characteristics of major marine ecosystems
8. Explain characteristics of major marine phyla/divisions
9. Interpret the interrelationship between humans and the ocean

Textbook: Garrison, *Oceanography, An Invitation to Marine Science*, Thomson, Brooks/Cole, 2007 (\$68). Students are responsible for the care and return of their science textbook. Students are responsible for the full cost of the textbook if it is lost or damaged.

Grading/Assessments/Methods/Strategies: Grades will be calculated based on student mastery of content and skills as measured by homework, tests, quizzes, essays, discussions, in-class participation, and projects. A traditional grading scale will be used to calculate letter grades:

A = 100-90 %, B 89-79 %, C = 78-69 %, D = 68-56 %, F= 55 %

Each assignment will be given a point value and will be broken down along the grading scale.

Academic Grading: *Academic grades are based on the following categories and percentages:*

Classwork: 20%

Assessments: 40%

Homework: 10%

Labs/Projects: 30%

Attendance Policies: Students are expected to be in class and on-time each and everyday. If a student is absent, they must obtain the day's lesson and assignment from the class website (see website address above). Parents are notified daily regarding absences and tardiness using the district's automated phone system. If a student is tardy 5 times within a six-week grading period, the student may receive a U for their citizenship grade, and may be referred to Saturday Academy. A single absence needs to be cleared by the office within 3 days. If a student is absent 10 or more times, the teacher may assign an academic grade of F. Saturday Academy is an opportunity to clear absences/tardies.

Policy on make-up work

All work that is assigned must be completed. Absent students must make-up work assigned during an absence. Late work may be accepted for less than full-credit. Missed tests or quizzes must be made-up the first day a student returns to school. Any unsatisfactory assignments or tests may be revised for a better grade.

Assigned seats: This class will use a seating chart. All students will sit in assigned seats.

Homework Policies: Homework is assigned regularly and is to be completed by the due date.

Discipline Policies: If a person disciplines themselves, no one else has to. Logical consequences are followed when a student's behavior creates a problem in class. Consequences may include: individual conference, seat change, time out, parent phone call, detention, referral, in-school suspension, lunch detention, campus beautification, or Saturday School

The following are considered **zero tolerance activities**: fighting, gang related activity, illegal substances, sexual harassment, major theft, major vandalism, and weapons. If a student is found to be engaged in any zero tolerance activities, the student will be immediately removed from the classroom and referred to the office for further disciplinary actions.

Students are not permitted to use, consume, or wear the following items during class: mobile phones, iPods, any mobile or handheld device, soft drinks, energy drinks, cosmetics, hats, or sunglasses. No warning will be issued; any of the above items found to be in use during class time may have to be surrendered to the teacher.

Computer Policy: In order to maintain our limited computing resources, students are assigned a computer. Students must use only the computer that is assigned to them.

Food Policy: Students may only bring bottled water into the classroom. Students must finish eating or drinking any food or soft drink BEFORE entering the classroom.

Student Fees:

The Constitution of the State of California requires that we provide a public education to you free of charge. Your right to a free education is for all school/educational activities, whether curricular or extracurricular, and whether you get a grade for the activity or class. Subject to certain exceptions, your right to a free public education means that we cannot require you or your family to purchase materials, supplies, equipment or uniforms for any school activity, nor can we require you or your family to pay security deposits for access, participation, materials, or equipment. You may be required to attend a fundraising event; however, if you are unable to raise funds for the event, you will not be prevented from participating in an educational activity.

For more information visit www.sandi.net/staff/studentfees www.sandi.net/staff/studentfees

DETACH THIS SHEET FROM THE SYLLABUS. **BOTH STUDENT AND PARENT MUST SIGN.**

Dear Student, Parents/Guardians;

I look forward to working with you and your student. I want to encourage parents to work with me in providing for student achievement. I am always available for a conference and or discussion regarding the progress of your student.

Please help your student by requesting formal progress reports if needed. I also use a grading program that allows me to send you weekly updates via email if you choose. I urge parents to check your students' progress on a regular basis and to contact me with any questions or concerns.

Please feel free to speak with me at anytime. I look forward to working hard and doing my best to offer your student a high-level, quality education that is fun, interactive and hands-on.

Student Accountability Contract: *I have read Mrs. Ogo's Marine Science syllabus, and fully understand what is expected of me, and I intend to do my best to live-up to the contract.*

Student Name *(please print)* _____ Period: _____

Student email: _____

Student Signature: _____ Date: _____

Parent/Guardian Contract of Support: I have read Mrs. Ogo's Marine Science syllabus and have discussed the document with my student. I pledge to support my student in fulfilling the requirements and expectation expressed in the document.

Parent/Guardian (#1) Name (print): _____

Parent/Guardian Signature: _____

Parent/Guardian daytime/mobile phone: _____

Parent/Guardian email address: _____

Parent/Guardian (#2) Name (print): _____

Parent/Guardian Signature: _____

Parent/Guardian daytime/mobile phone: _____

Parent/Guardian email address: _____

Permission to Use Photographs/Video

Event : Marine Science Classroom Learning - Mrs. Ogo- Room 701/601

Location : Kearny High School-SCT

I grant to Mrs. Ogo & Kearny High School the right to take photographs of my student in connection with the above-identified events. I authorize Mrs. Ogo and Kearny High School, its assigns and transferees to copyright, use and publish the same in print and/or electronically.

I agree that Mrs. Ogo and Kearny High School may use such photographs of my student with or without being name and for any lawful purpose, including for example such purposes as publicity, illustration, advertising, and Web content.

I have read and understand the above:

Parent/Guardian Signature: _____

Printed name: _____

Address: _____

Date: _____