

# Marine Science 1 Honors Course Syllabus 2022-2023

Lemon Bay High School

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Room 02-109

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Textbook: Marine Science; McGraw Hill, 2016 (Castro, Huber)

Welcome to Marine Science! This course is designed to teach you about the marine environment that makes up a large part of our planet. In the first semester, we will study marine science and learn about the many abiotic, or non-living, factors that affect life in our oceans. The second semester will focus on marine biology, or all of the life found in and around our oceans. There will be many opportunities throughout the school year to use hands-on learning to increase your understanding of marine science. This includes learning basic aquarium maintenance in our aquaculture lab. We will also use what we learn about the oceans in general and relate it to our local marine ecosystems.

## What topics will we learn about this year?

This course is organized into 9 units. The units are as follows:

- Unit 1: The Nature of Science
- Unit 2: Planet Earth
- Unit 3: Ocean Explorations & Technology
- Unit 4: Water Chemistry
- Unit 5: Marine Geology
- Unit 6: Ocean Physics
- Unit 7: Invertebrates and More
- Unit 8: Vertebrates
- Unit 9: Human Impacts

## How will grades be earned?

- Daily Work 50%
  - Classwork (Activities, Lab, & Projects)
  - Bell Work
  - Homework
- Assessment 50%
  - Quizzes
  - Tests

## What supplies will be needed?

- 1" or 1.5" Three Ring Binder (Required)
- Pencils (Required)
- Notebook or Notebook Paper (Required)
- Earbuds or Headphones Compatible with School Issued Chromebook (Required)
- Colored Pencils & Sharpener (Recommended)
- Glue Stick (Recommended)
- Scissors (Recommended)
- Ruler (Recommended)

## **Course Instructional Format**

We will be using a combination of in person direct instruction and virtual instruction. Instruction will be organized in and facilitated through Canvas. We will also be using the McGraw Hill Textbook Online Resources (which can be accessed through our Canvas course page), the Edpuzzle instructional site, and Explore Learning Gizmo online simulations (instructions for accessing Gizmos will be shared during Week 1 in-person class sessions).

## **Course Communication Format**

As we work through this school year, open lines of communication will be imperative! Remind and email will be the primary means of communication between home and school for BOTH students and parents. Students and parents should be automatically enrolled in the class Remind. If you or a parent are not in the class Remind group, the codes to join will be posted on Canvas.

## **Class Environment & Expectations**

- Our classroom will be a MUTUALLY RESPECTFUL ENVIRONMENT. Treat one another, our classroom, and the animals with respect.
- Attendance is IMPORTANT! In order to be a successful learner, your presence in class is essential.
- Arrive on time.
- 20/10 Rule in effect.
- Backpacks and electronic devices stowed away in designated area.
- Remain seated until dismissed.

## **Aqualab**

A safety contract is required to work in the lab. Working in the lab is a privilege.