



FREEDOMPROJECT ACADEMY

Course Syllabus

Marine Biology

Course Description:

Welcome to Marine Biology, the study of life in the ocean! In this course, we dive into the study of biological science as it applies to marine life. Focusing on the animals and plants of the ocean (like whales, turtles, sharks, coral, etc.) as well as their ecosystems (coral reefs, estuaries, salt marshes, and more), we get to marvel at God's design in some of the most intriguing places on our planet!

Topics

- The Oceans of Our Planet
- Life in the Sea
- The First Four Kingdoms
- Marine Invertebrates
- Marine Vertebrates
- Marine Ecology
- The Intertidal Zone
- Estuary Communities
- Coral Reefs
- Continental Shelf Communities
- The Epipelagic Zone
- The Deep Ocean
- Marine Biology Career Profiles

Course Materials:

- *Exploring Creation with Marine Biology 2nd Edition*
- Marine Biology Dissection Specimens
- Bound notebook for your lab experiments
- Camera or device to take photo of experiments/submit assignments
- General Materials for Experiments- a complete list is in the back of the book, but we will not be doing every experiment

Grading:

10% of student's grade will be On Your Own Questions from the book

15% of student's grade will be Study Guides

15% of student's grade will be Semester Project

15% of student's grade will be Lab Reports/Notes

30% of student's grade will be Chapter Tests

15% of student's grade will be Semester Exams

Participation:

- You have reached the rhetorical stage of your educational development and are expected to participate in class by: sharing thoughts and ideas, participating in the polls, answering questions, and contributing to topic chats.
- Please be RESPECTFUL of other classmates during our time in the classroom. (We love to have fun and great discussions about the content and our life, but we also need to stay on task.)

Classroom Expectations:

- Read the lessons to be covered prior to coming to Classroom Live. We only meet 2 days a week and cannot cover everything in class, so students are expected to read and learn the material independently. Any questions can always be addressed in class.
- Take good notes in class - clear, neat, etc. Charts and tables are a great way to keep track of facts.
- Complete quality work to hand in only your best effort possible for each assignment.