

## Course Syllabus

**Marine Biology – During Lunch Period from 11:30-12:30pm**

**H.O.M.E. Group 2019-2020**

**Instructor:** Janell Farmer

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**Start Date:** September 12, 2019

**End Date:** May 7, 2020

**Class Times:** **Friday** 11:30-12:30 pm

**Class Dates – FRIDAYS during Lunch Period from 11:30-12:30pm:**

September 13 & 27, October 11 & 25, November 8 & 22, December 6, January 10 & 24, February 14 & 28, March 13, 20, April 3 and May 8

### Cost:

-Supply fee is \$110.00 for the year.

- \$100 per semester or \$200 for the full year

-Payment Schedule:

Parent –Teacher Meeting (August 13) – Total Supply fee of \$110.00

November 7<sup>th</sup>                      ½ of the Tuition - \$100 (unless there is a multi-child discount applied)

March 15<sup>th</sup>                         ½ of the Tuition - \$100

-If you have multiple children taking science classes from me, I do give a tuition break of 25%.

Please contact me to get further details.

### Instructor Biography

I have been teaching science to high school students for over twenty years. I obtained a Bachelor of Science degree with a double major in Science and Math education from Pensacola Christian College. Later I went on to earn my Master's Degree in School Administration. I have served as a Chemistry Department head at a private academy in Florida and taught at various Christian schools until my husband and I started having children. In the late 90's, I began offering science classes to homeschooling parents that didn't have the equipment or desire to do lab work in their own homes. Since then I have built up my own science lab and greatly enjoy working with the local homeschooling community. My family and I are active members of Cornerstone Baptist Church of Roseville. I am so thankful for the ministry at Faith Lutheran that provides this opportunity to partner with parents in better equipping their students in both a science education and a love for our Creator.

### Course Description

This course concentrates on marine wildlife and marine habitats. It provides a survey of members of each biological kingdom that live in marine environments. The student will learn about the microscopic organisms that make life in the ocean possible, including details about their interesting habits and life cycles. Students will then learn how these creatures and their physical surroundings form marine ecosystems such as intertidal zones, estuaries, coral reefs, continental shelf communities, epipelagic communities, and deep-ocean communities. The course ends with a study of marine resources and our relationship with the sea. Students will also learn about the anatomy of many macroscopic marine creatures such as clams, starfish, and sharks. In order to take this course, students must have completed a high school biology course.

## Skills & Topics

The following topics will be covered in this course: geography of the oceans; extensive study of the phylum porifera, cnidaria, ctenophore, platyhelminthes, nemertea, nematode, annelida, mollusca, arthropoda, echinodermata, chordate; marine ecology; intertidal zones; estuaries; coral reefs; different zones of the ocean; and the effects humans have on our oceanic resources.

## Textbook and Supplies Needed

1. Textbook: ***Exploring Creation with Marine Biology*** \*1<sup>st</sup> Edition by Sherri Seligson. Published by Apologia Educational Ministries
2. The ***Solutions and Tests for Exploring Creation with Marine Biology*** \*is also required.
3. Binder with notebook paper, index cards, pen, pencil, highlighters, and colored pencils
4. Dissection Kit which can be purchased from me for \$9.00
5. Use of a library and/or internet for research
6. Use of a computer and printer for papers
7. I would like to incorporate several field trips through out the year. These will be optional as they will be an additional cost.

\*I will have both of these books for sale at a discounted rate at the end of this school year and at the Meet the Teacher meeting in August. Please let me know if you are interested in purchasing from me.

## Classroom Policies

- I ask that students respect the learning environment by not using cell phones while in class.
- Please be punctual and attentive for the class period.
- Textbook work, lab assignments, and tests are due on the due date and are not accepted later unless you have an excused absence. In that case it is accepted the following class period only. Incomplete work is accepted for partial credit.
- Quizzes and tests will be given regularly.
- There will be extra research projects that the student's will be expected to do as well and will need to be turned in on their due dates.
- While doing our laboratory work, I expect the student to act wisely with all science equipment. If something is broken, the student will be expected to pay for a replacement.
- The students will be working together in groups of two. I will be assigning lab partners.
- Before a student leaves class each day, it is expected that their lab supplies will be put away and their work area cleaned off.
- If the student misses a class, it is their responsibility to contact me about what they missed and to have their work ready for the next time they are in class.

## Evaluation and Grading

- The homework assigned for each class period will be checked in class and given a grade.
- Each lab will have report sheets that will need to be filled out in class and turned in to get graded.
- The student should be prepared to take a quiz at the beginning of each class over the reading assignment.

- When we are in the dissecting section of our course, there will also be lab quizzes where the students will be expected to identify different parts of the specimen.
- Tests will be passed out at the end of each chapter. The student will receive the test in a manila envelope. There will be instructions on the front of the envelope for the parent to follow. **IT IS VITAL THAT WHEN THE STUDENT TAKES THE TEST, HE DOES IT WITH HIS BOOK CLOSED AND NOTES PUT AWAY.** The manila envelope will need to be brought back to the next class so than the tests can be graded.
- Class evaluation will be based on four areas weighted accordingly:
  - Homework – 10%
  - Quizzes- 25%
  - Lab Sheets - 25%
  - Tests - 40%
- Progress reports will be passed out in December and May.
- This course is designed to count as one high school science class with a lab credit.

Percent	Letter Grade
100-93%	A
92-90%	A-
89-87%	B+
86-83%	B
82-80%	B-
79-77%	C+
76-73%	C
72-70%	C-
69-67%	D+
66-63%	D
62-60%	D-
59-0%	F