

High School Science Overview

Course: Marine Biology

Teacher: Mrs. Rynne Graham

Contact

Information:

Phone/TEXT: #407-883-1820

Email: rgraham@therockofcf.org

The best time to reach me is: Mon-Fri between 8:00am-5:30pm

Materials Supplies Needed for this

Courses: Students MUST have the following:

- *Apologia Exploring Creation with Marine Biology 2nd Edition Textbook*
- *Apologia Exploring Creation with Marine Biology 2nd Edition Student Notebook*
- Colored Pencils
- 2 inch 3-Ring Binder
- 5 Dividers (We will label them on our first day in class)
- Highlighters

TEXTBOOKS and STUDENT NOTEBOOK ARE NECESSARY FOR COMPLETING HOMEWORK EACH WEEK**

My Goals are that each student would:

- become critical thinkers and competent problem solvers
- hone his/her Scientific Method skills and build confidence
- see the beauty and precision of our Designer in the complexities of creation in Marine Biology
- learn about basic principles and terminology of Oceanography, Biology, and Marine

Conservation and their inter- relatedness on a basic level.

What you can expect of the

Teacher:

- I will be professional, prepared, and on time.
- I will be available to you, the parent, so that our partnership will be successful.
- I will be attentive to each student and seek to develop their unique perspective as it pertains to problem solving, as well as, challenge him/her to reach his/her potential and be successful.

What I expect of

Parents: I need

Parents to:

- assist students in keeping up with the syllabus so that the work is turned in on time every week
- check FACTS AT LEAST once per week and review your child's progress.

YOUR CHILD SHOULD ALSO BEGIN BUILDING THE HABIT OF CHECKING THEIR OWN GRADES- They will need to have **their own** FACTS login. Contact myself or Kaley Hoffman.

- provide the necessary assistance when a student struggles and encourage them to communicate with me.
- occasionally proctor tests and quizzes (This means making sure that they take these assessments with integrity and NO outside assistance.) and provide supplies from home when needed.

What I expect of

Students: Students

will:

- complete the weekly lessons and turn them in on time
- ask questions and participate actively in class—PLEASE contact me if you need help!

- not associate their worth with a letter grade Self-esteem should NOT be tied to letter grades. Studying Science can be a great experience, tackling a challenge, learning perseverance, and maintaining a great attitude. All of these are terrific benefits regardless of individual letter grades on assignments and assessments. When a strong work ethic is applied, skill level WILL increase.

Grading: Grades are given to a variety of assessments, tasks, and projects. Do not get upset or feel defeated if you get a poor grade on an assessment. It is important that students do well on tests and independently master the content concepts. Grades are weighted as follows:

- **40% Tests and Projects**
- **25% Homework**
- **30% Labs and Quizzes**

10% Binder and KWL

EXTRA CREDIT is NOT always offered. Students who do not follow the directions for homework will NOT be given an opportunity for extra credit. EXTRA CREDIT questions may be on tests. EXTRA CREDIT, otherwise, will be additional assignments.

How to Get an 'A' in this

Class:

- Turn your completed and graded homework in ON TIME!
- Keep a great notebook.
- Study for quizzes and tests.
- Work consistently every day. Do not make it a habit to let your homework pile up or do it all in one day.
- Get help when you need it.
- Complete corrections with me in class
- ASK QUESTIONS!

Absences: The TRA Policy is to give students one extra class period to turn in work due to an EXCUSED absence. If you should need more time to get caught up, it is up to the parent to contact the teacher and work out additional due dates. **Assignments that are 2 weeks past the original due date are given zeros.** Unexcused absences include, but are not limited to: sleeping in and not contacting the school in advance in writing for a planned absence. (There is a Planned Absence Form that MUST be filled out in advance.) **You can lose your seat in the class if you miss more than 4 classes.**

***** IF THERE IS A FAMILY EMERGENCY/ILLNESS- Parents must Contact the front desk @ 407-688-2445. Students are not allowed to call in absent.*****

TESTS: Some tests are proctored at home and some are given online or in class. ONLINE TEST WILL BE FOUND ON FACTS! CONTACT: KALEY HOFFMAN OR MYSELF FOR A LOGIN.

Students may take tests in study hall and guided study. On occasion, corrections can be made on a test with a failing score to bring up the grade to passing only (70%). Cheating is grounds for dismissal from the class and/or school. Students are not to receive any outside assistance during a test.

Course:TENTATIVE Week by Week

Course: Marine Biology Week-by-Week *			
Semester I			Semester II
1	Module 1—The Oceans of Our Planet	19	Module 9—The Intertidal Zone
2	Geography, Plate Interactions, Features, Seawater, Salinity, Temperature, Density	20	Rocky, Upper, Middle, Lower, Sandy, and Muddy Zones, Sediment, Wave Action
3	TEST 1 Module 2—Life in the Sea	21	TEST 9 Module 10—Estuary Communities
4	Photosynthesis, Respiration, Organization, Diffusion and Osmosis	22	Ice Age, Abiotic and Biotic Factors, Communities, Habitats, Mangroves

5	TEST 2 Module 3—The First Four Kingdoms	23	TEST 10 Module 11—Coral Reefs
6	Kingdoms Monera, Protista, Fungi, and Plantae, Protozoans	24	Composition, Formation, Growth or Coral Reefs, Symbiosis, Ecology
7	TEST 3 Module 4—Marine Invertebrates I	25	TEST 11 Module 12—Continental Shelf Communities
8	Phyla Porifera, Cnidaria, and Annelida, Worm Dissection	26	Physical Features, Soft and Hard-bottom Communities, Kelp Beds and Forests
9	TEST 4 Module 5—Marine Invertebrates II	27	TEST 12 Module 13—The Epipelagic Zone
10	Phyla Mollusca, Arthropoda, Echinodermata, and Chordata, Clam and Sea Star Dissection	28	Life, Phytoplankton, Zooplankton, Nekton, Vertical Migration, Nutrients and Productivity
11	TEST 5 Module 6—Marine Vertebrates I	29	TEST 13 Module 14—The Deep Ocean
12	Rays, Skates, Bony Fishes, Social Behavior, Migration, Fish Dissection	30	Mesopelagic Food Webs and Body Design, Bioluminescence, Vent Communities
13	TEST 6 Module 7—Marine Vertebrates II	31	TEST 14 Module 15—Ocean Resources

14	Reptiles, Birds, Mammals, Echolocation, Movement in Water, Respiration	32	Food Species and Locations, Populations, Living and Non-Living Resources
15	TEST 7 Module 8—Marine Ecology	33	TEST 15 Module 16—Effects of Humans on the Sea
16	Ecosystems, Population Growth, Symbiosis, Nitrogen and Carbon Cycles	34	Habitat Damage, Pollution, Sewage, DDT, Biomagnification, Responsibility
17	TEST 8	35	TEST 16
18	Holiday Break	36	Summer Break

**** Please be advised; These plans are a guideline and may be altered throughout the year; circumstances such as hurricanes or other events may require that this schedule be modified and/or updated.***