Syllabus for Biology: Marine Zoology

Sessions 1 & 2: Mondays 1:30-3:00
Educator: Jenni Buchanan, jenni@onesparkacademy.com

Description: In this class, students will learn about marine animal biology through the study and dissection of different marine animal specimens. They will also learn about the scientific process, how to keep a lab notebook, as well as proper lab etiquette, and how to use and care for dissection tools.

Materials Needed:

- ☐ Composition Notebook to serve as the student's **Lab Notebook**. *(Students who have taken a lab class with me prior to this and who still have their lab notebook may continue using that one.)*
- ☐ Binder (or section of a binder) dedicated to this class only. We will be focusing on study, notetaking and organization, and students will have regular binder and notebook checks throughout the session.
- ☐ Blue and/or black pen.

Expectations:

* As this is a hands-on lab dissection class, **students will need to be in attendance in order to get credit**. *(If an absence cannot be avoided the student can arrange to do the lab with me during a study session.)*
* Students will keep a **Dissection Lab Notebook** that will count for 30% of their grade.
* Students can expect **about 30 minutes per week of reading and written homework**.
* **Students will be expected to take notes** and to keep those notes and other handout materials neatly in their binder or folder. They will have regular notebook checks throughout the session and they **must have their class notes & materials with them at every class**.
* Each student will have a school dissection kit to use each week. **It is each student's responsibility to keep their dissection kits clean and organized and to treat the tools and specimens with care and respect**.

Grading

20% Attendance
30% Participation: Attention, preparation, care and respect for tools and specimens, notes & binder checks
30% Lab Notebook
20% Weekly homework & preparation for upcoming class

Course Outline *(*Dissection subjects may change depending on availability and delivery dates*)*

WEEK 1: Introduction, discussion of class rules, tools, and expectations

WEEK 2: Classification & the Tree of Life

WEEK 3: Sponges & Cnidarians

WEEK 4: Annelids

WEEKS 5-6: Marine Arthropods

WEEKS 7-9: Molluscs

WEEKS 10-12: Echinoderms

WEEKS 13-14: Chordates