

Syllabus: Zoology Biology

Sessions 1 & 2: Mondays 1:30-3:00

Educator: Jenni Buchanan, jenni@onesparkacademy.com

[Google Classroom](#) code: **pfn5eyd**

Description: In this class, students will learn about animal biology through the study of the animal kingdom and dissection of different 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 **with Quadrille (Graph) paper** to serve as the student's **Lab Notebook**.
- 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.
- Colored pencils/pens for diagrams and labeling (*not required, but these can be helpful and fun*).

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.**
- * 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 the animal specimens with care and respect.**

Grading

- 20% Attendance
- 30% Participation: preparation, curiosity, lab work, care and respect for tools and specimens
- 30% Lab Notebook & Class Binder, regular notebook checks
- 20% Homework

Course Outline*

WEEK 1: Introduction, Set up Lab Notebooks, Basics of Dissection (Owl Pellet)

WEEKS 2 & 3: Animal Kingdom & Classification, Cnidarians/Complex Life Forms (Jellyfish)

WEEKS 4 & 5: Annelids (Earthworm dissection)

WEEKS 6 & 7: Marine Arthropods (Crayfish dissection)

WEEKS 8 & 9: Molluscs (Squid dissection)

WEEKS 10 & 11: Terrestrial Arthropods (Grasshopper dissection)

WEEKS 12 & 13: Chordates I (Perch dissection)

WEEKS 14 & 15: Chordates II (Frog dissection)

* May change depending on availability of specimens