Syllabus for Biology: Anatomy

Sessions 3 & 4: Mondays 1:30-3:00
Educator: Jenni Buchanan, jenni@onesparkacademy.com
Google Classroom code: **xoybgfm**

Description: Learn about the anatomy and physiology of mammals (including humans), from the smallest cells to the largest organ in the body! Study the structure and function of each organ system and learn how they work in concert with each other to keep us alive and healthy. Class will include hands-on Miniscope work and dissections of various organs such as an eye, heart, and/or brain of a cow, sheep, or pig.

Materials Needed:

- ☐ **Composition Notebook*** to serve as the student's Lab Notebook.
  *(*Students previously in Zoology can continue to use their Zoology 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

50% Attendance & Participation: preparation, curiosity, lab work, care and respect for tools and specimens
30% Lab Notebook & Class Binder, regular notebook checks
20% Homework

Course Outline*

Over the course of 2 sessions we will cover the major organ systems, with 3-4 dissections as available.

1. Skeletal System
2. Muscular System
3. Cardiovascular System
4. Respiratory System
5. Nervous System
6. Digestive system
7. Endocrine System
8. Lymphatic/Immune System
9. Urinary System
10. Reproductive System
11. Integumentary System

* May change depending on availability of specimens