

P.S. 035 Manhattan High School

Course Code: SWSG1

Syllabus for: Comparative Anatomy 1

Teacher Name: Ms. Luna Rojas

Year and Term: 2017-2018 Term1

Learning Standards: S2- Life Science Concepts
S4- Scientific Connections and Understanding
S5- Scientific Thinking
S7- Scientific Communication
S8- Scientific Investigation

Course Description: Comparative Anatomy is an elective course that will compare Anatomy, Physiology, Embryology and Evolution of Humans with that of other Animals, Plants, Fungus, and Microorganisms.

Calendar or Unit Map:

1. About the Class
2. How to create a science research paper
3. The 6 Kingdoms
4. Pick your Organisms
5. Biomes/ Environments
6. Trophic levels/ consumers / food webs
7. Life Styles: Alone/Pack, diurnal/nocturnal, communication
8. The 9 processes
9. Nutrition- What? How?
10. Respiration- What? How?
11. Circulation- What? How?
12. Excretion- What? How? Why?
13. Regulation- What? How? Why?
14. Synthesis- What? How? Why?
15. Growth- How?
16. Locomotion- How?
17. Reproduction- How?
18. Embryology- How?
19. Evolution- who came before and after- differences
20. What are the advantages and disadvantages of this organism?

Course Materials: Notebook, home computer, USB flash drive.

Grading Policy:

50%- Classwork

50%- Research Papers

Paper #1 - 1 Animal & 1 Plant = with classwork = 65%-75%

Paper #2 - 1 Fungi & 1 Microorganism = with classwork and paper #1= 85%-100%

if your Classwork is not good due to lack of class participation or lack of attendance you must do both papers to = 65%-75%