

# P.S. 035 Manhattan High School

**Course Code:** SWSG3

**Syllabus for:** Comparative Anatomy 1

**Teacher Name:** Ms. Rojas

**Year and Term:** 2017-2018 Term 2

**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. How to create a science research paper
2. The 6 Kingdoms
3. Pick your Organisms
4. Biomes/ Environments
5. Trophic levels/ consumers / food webs
6. Life Styles: Alone/Pack, diurnal/nocturnal, communication
7. The 9 processes
9. Reproduction- How?
10. Embryology- How?
11. Evolution- who came before and after- differences
12. What are the advantages and disadvantages of this organism?
13. Compare Crazy Bone Decorations to real Skeletons.
14. 4D Models
15. Animal Toys and Charts

**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%