

# P.S. 035 Manhattan High School

**Course Code:** SLS43

**Syllabus for:** Living Environment 3

**Teacher Name:** Ms. Rojas

**Year and Term:** 2022/1

**Learning Standards:** S2- Life Science Concepts

S4- Scientific Connections and Understanding

S5- Scientific Thinking

S6- Scientific Tools and Technologies

S7- Scientific Communication

S8- Scientific Investigation

**Course Description:** Living Environment is a Regents course that connects the topic of cells, body systems.

## Calendar or Unit Map:

### Scientific Method-1

- Variables
- Control group
- Create a hypothesis
- Create an experiment
- Data collection
- Data analysis

### The 5 Sciences

- Chemistry
- Physics
- Earth Science
- Math
- Biology

### Biology-6

- 9 processes
- ATP
- DNA
- Biotic – Abiotic
- Homeostasis

### Biology- cell-7

- Organelles
- Cell theory
- Mitosis
- Prokaryote, Eukaryote
- Cell theory

### Enzymes & pH -2.3

- Substrates/Product
- Inhibitors/Activators
- Anabolic/Catabolic
- pH
- Enzymes effects on the body
- pH effects on the body and on enzymes

**Nutrition -16**

- Type of foods
- Food pyramid
- Food plate
- ATP
- Foods effect on the body

**Biology- Systems-8**

- All the systems of the human body
- Relationships of the systems
- Connection to the 9 processes

**Immune - 9**

- WBC /Antibodies
- Vaccinations
- How does our body protect us?

**Course Materials:** Notebook, 200 index cards, USB flash drive, home computer

**Grading Policy:**

- 1- 65%- Labs /PT Exam / Google Slides
- 2- 30%- Exams
- 3- 35%- Website work