

P.S. 035 Manhattan High School

Course Code: SLS43

Syllabus for: Living Environment 3

Teacher Name: Ms. Rojas

Year and Term: 2019/1

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:

1-30%- Labs
2-10%- Exams
3-10%- Voc. Exams
4-15%- Wit packets
5-10%- Voc. Cards
6-10%- Movies
7-10%- Projects
8-05%- H.W.
OR
1-30%- Labs
2-60%- Exams
3-10%- Voc. Exams