

# P.S. 035 Manhattan High School

**Course Code:** SCS22QQB

**Syllabus for:** Chemistry 2

**Teacher Name:** Ms. Rojas

**Year and Term:** 2017-2018

**Learning Standards:** S1- Physical Science Concepts

S4- Scientific Connections and Understanding

S5- Scientific Thinking

S6- Scientific Tools and Technologies

S7- Scientific Communication

S8- Scientific Investigation

**Course Description:** Chemistry is a Regents course that connects the topic of Kinetics & Equilibrium, Acids & Bases, Redox & Electrochemistry, Inorganic & Organic Chemistry, and Nuclear Chemistry.

## **Calendar or Unit Map:**

### **Kinetics & Equilibrium**

Reaction Rates & Equilibrium

### **Acids & Bases**

What are Acids & Bases

Neutralization Reaction

Acid-Base Equilibria

### **Redox & Electrochemistry**

Oxidation & Reduction

Balancing Redox Equations

Electrochemistry

### **Inorganic Chemistry**

Metals and Nonmetals

s-Block elements

p-Block elements

d- & f- Block elements

### **Organic Chemistry**

Hydrocarbons

Functional Groups

Chemistry of Life

### **Nuclear Chemistry**

Nuclear Reactions / Radiation

Nuclear Transformations

Applied Nuclear Chemistry

**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
- OR for Beacon Student
- 1-30%- Labs
- 2-30%- Exams
- 3-10%- Voc. Exams
- 4-30%- Projects