

# MANHATTAN HIGH SCHOOL/P.35M

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**Course Instructor:** Ms. Phillips, Science Educator, B.S., MS Science Education

**Course Name:** Living Environment 3/4

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**Room:** 406

## The Living Environment Course Syllabus

### Introduction:

Regents Biology is a core-based course which ends in a NYS Regents Living Environment Examination. **A minimum of 1200 minutes of hands-on laboratory experiences with satisfactory lab reports** are required above and beyond the classroom instructional seat time.

The Living Environment Core Curriculum is expected to prepare students to understand and apply scientific concept principles and theories pertaining to the living environment and recognize the historical development of ideas in science. To attain this, the core addresses seven key ideas: similarity and differences among living and non-living things; inheritance of genetic information; changes of species and organisms over time; the continuity of life; dynamic equilibrium that sustains life; interdependence of plants and animals and their environment.

### Methodology:

Living Environment 3/4 is one of the final courses of the four semester series that comprise the complete sequence of the Living Environment course at Manhattan High School. Students in semester three have already taken a year of biology (LE 1/4 and 2/4) and are now preparing to take the Regents exam. Previously learned concepts are reviewed in dept and further opportunities are provided to solidify requisite biology concepts. LE 1/4 content is reviewed with further depth of knowledge and engagement encouraged. Topical study of four units of concentration mirrors LE 1/4 and are outlined below. There is a lab component to the course and students continue to accumulate laboratory experiences towards the 1200 minutes of required lab time and lab reports necessary to be eligible to sit for the NYS Living Environment Regents. Students sit for the Living Environment Regents exam only after the completion of the final semester course, Living Environment 4/4.

**Textbook :** Life Science/Glencoe Science © 2008 McGraw-Hill Education

## **Course Outline:**

Unit 1: Human Body Systems/ Homeostasis and Immunity

Unit 2: Organization and Patterns in Life

Unit 3: Reproduction and Development

Unit 4: Genetics and Biotechnology

## **Goals and Objectives:**

1. To be able to pass the Regents examination.
2. To be able to make good observations, conduct experiments, read science texts and draw inferences and conclusions.
3. To work effectively in small groups and independently.

## **Laboratory Experiences**

45 minutes of science lab experience weekly

## **Grading :**

Homework

10%

Class Participation (classwork and attendance)

35%

Labs

25%

Tests

30%

## **Grade Scale :**

A= 90-100

B= 80-89

C= 65-79

F= below 65

## **Daily Expectations:**

- Attend class daily and on time.
- Enter the classroom ready to begin work.
- Retrieve your notebook and a pen/pencil from the designated area. Sharpen your pencil if need.
- Copy the Aim, Date, Objectives from the board and immediately begin the Do Now (can be answered in complete sentences instead of copying questions).
- Begin working on class activity immediately and complete tasks.
- Remain in the classroom for the entire period.
- Respect everyone. Communicate well using positive words and limit conversations to class-related topics.
- When class is over return your notebook, pen/pencil and lab/class folder (if you have it) to the designated area.

### **Make-Up Policy:**

- You are entitled to make-up work for **legitimate** absences. Cutting class (hanging out in the halls, staying in another teachers class during your class period, doing another teacher's make-up work during your class period or just being somewhere you don't belong) is not grounds for make-up work. You are not legally entitled to make-up work under those circumstances.
- If you are legitimately absent from class and require make-up you must let me know in advance. You are responsible for communicating your need for make-up work to me. I will then call your parent/guardian to confirm your absence. You can then schedule a time with me after school or during your lunch period to come in and do the make-up work. Make-up work will not be given to you to do at home.

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I have received a copy of the Living Environment class syllabus from Ms. Phillips. I have read it and understand what is required of me in order to succeed in this class.

Name \_\_\_\_\_

Date \_\_\_\_\_