

MANHATTAN HIGH SCHOOL/P.35M

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

Course Name: Living Environment Year 2

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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.

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

Course Outline:

- Unit 1: Human Influences on the Environment
- Unit 2: Organization and Patterns in Life
- Unit 3: Homeostasis and Immunity
- Unit 4: Reproduction and Development
- Unit 5: Genetics and Biotechnology
- Unit 6: Evolution

Goals and Objectives:

1. You will pass the regents examination.
2. You will be able to make good observations when shown a demonstration or conducting an

experiment.

3. You will work effectively in small groups and alone.

Laboratory Experiences

45 minutes of science lab experience weekly with Mr. Wybaillie in addition to the completion of 4 NYS mandated labs:

1. Diffusion Through a Membrane
2. Making Connections
3. Beaks of Finches
4. Relationships and Biodiversity

Grading :

Homework	10%	<u>Grade Scale :</u> A= 90-100
Class Participation (classwork and attendance)	35%	B= 80-89
Labs	25%	C= 65-79
Tests	30%	F= below 65

Daily Expectations:

- Attend class daily and on time.
- Enter the classroom ready to begin work.
- Write down Aim, Date, Objectives 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.
- Review the agenda on the board to follow along with the lesson.