

MANHATTAN HIGH SCHOOL/P.35M

522 West 44th Street, New York, NY 10036

Telephone: (212) 465-4390

Fax: (212) 465-4391

MARTA BARNETT
Principal

LIVING ENVIRONMENT SYLLABUS - SPRING

Instructor: Ms. Ducret

Course Description

Welcome to your Living Environment (Biology) course! Biology is the study of life and living organisms. Living Environment is a core-based course which ends in a NYS Regents Living Environment Examination. The regents exam focuses on inquiry and depends upon the basic relationships of the physical sciences as well as living things. 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.

This year's course will offer students a variety of activities that will provide a well-rounded education in science and in life skills such as communication, self-awareness, time management, problem solving, critical thinking and making connections to real world topics. Students will be given every opportunity to increase their literacy skills with each topic through reading and learning new and exciting vocabulary. In addition, students will engage in completing lab activities through various methods such as observing demos, completing virtual/tutorial labs and performing hands-on activities. Highly recommended videos will continue to bridge real connections to science and their existence in the world!

Regents exams count towards graduation requirements, but are not included in the calculation of final grade for the course.

I am always here for support and extra help. We will get through this together! Try your best and don't hesitate to ask questions!

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 Units/Topics:

Biology-6

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

Biology- cell-7

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

Biology- Systems-8

- All the systems in the human body
- Relationships of the systems
- Connection to the life processes

Nutrition

- Types of food
- Food pyramid
- Food plate
- ATP
- Foods effect on Body

Immune

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

Reproduction

- System
- STD
- Meiosis
- Why reproduction is different in different organisms

Grading Policy:

Grades will be calculated according to the following formula:

1. Unit Exams	25%
2. Quizzes (<i>every week</i>)	20%
3. Assignments/Homework	20%
4. Class Participation (Classwork & Attendance)	20%
5. Labs	15%

***Make-up Policy:** Missed tests or quizzes should be made up immediately following the student's return to school with an excused absence note. Homework, classwork, and all other assignments are to be handed in on the due date assigned by the teacher. Students are responsible to make up work in any days missed. Students are held responsible for reaching out to teachers if there is any foreseeable obstacle regarding an assignment before the due date. Late assignments are subject to incremental deductions as per the teacher's policy.

Course Materials:

- 3-ring binder or Notebook (dedicated to Living Environment ONLY)
- 2 Pocket Folders
- Pens & Pencils
- Internet Access

Expectations and Procedures:

1. USE OF CELLPHONE OR ANY OTHER ELECTRONIC DEVICES ARE STRICTLY PROHIBITED
2. Keep the room clean.
3. Be responsible. Come to class on time with a positive attitude.
3. Be respectful to others; treat others how you want to be treated.
4. One person out of the classroom at a time.
5. Always put forth your best effort. Grades are achieved, not received.
6. Be polite and use proper language in class.
7. Look and listen during the lesson. Raise your hand if you need to speak.
- 8. You are responsible to make up work on days you missed!**

If you have any questions, concerns, and/or comments, feel free to reach out (room 220 or 212) We can also arrange a meeting during school hours.

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LIVING ENVIRONMENT SPRING – Student & Parent/Guardian Acknowledgment

Homework:

Please sign and return this page to Ms. Ducret

I, _____, (student) have read and understand the
Last, First (Print)
requirements of this course.

Student Signature _____ Date: _____

Student's Email Address: _____

I, _____, (parent/guardian) have read and understand the
Last, First (Print)
requirements of this course.

In case of an emergency and/or any other concerns regarding my child, I can be reached at:

Phone Number: _____ Most convenient hour: _____
(example: After 5PM, anytime, etc.)

Can receive text messages? Y N (Please circle one)

Email Address: _____

Parent/Guardian Signature: _____ Date: _____

