

# **Manhattan High School - P35M**

## **Earth Science Syllabus**

*Course Codes:* SES21QQM-7

SES21QLM-7

SES21QQM-8

SES21QLM-8

*Course Names:* Earth Science 1/2

Earth Science LAB 1/2

*Year and Term:* 2022 Fall Session

*Instructor:* Mr. Dotter

*Room:* 315

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*School Contact Number:* (212)-247-4307

**Manhattan High School Mission and Philosophy:** The mission of Manhattan High School is to provide an appropriate education in the least restrictive environment based on a student's identified needs, strengths and interests. The school environment believes all students can learn regardless of his/her disability. Students are provided will all necessary resources to transition into less restrictive environments by improving their academic and social skills. All students will be provided with a rigorous education and supported by a caring community of educators and administrators. Our educators will prepare all students for post-secondary opportunities in college and/or in the workplace.

**Laboratory Requirements:** Critical to understanding science concepts is the use of scientific inquiry to develop explanations of natural phenomena. Therefore, as a prerequisite for admission to the Regents examination in Earth Science, students must have successfully completed 1200 minutes of laboratory experience with satisfactory written reports for each laboratory investigation.

**Course:** This curriculum is constructed around the Physical Setting/Earth Science Core Curriculum published by the New York State Education Department (NYSED). Instruction will focus on student understanding and demonstration of important relationships, processes, mechanisms, and applications of concepts. Students, in attaining scientific literacy, will be able to demonstrate these explanations, in their own words, exhibiting creative problem solving, reasoning, and informed decision making. Assessments will test students' ability to explain, analyze, and interpret Earth science processes and phenomena, and generate science inquiry.

**Class Philosophy:** Earth Science is designed to offer opportunities for students to learn about the world in which they live. These learning opportunities will be presented through classroom activities, laboratory experiences, demonstrations, homework, and

class discussions. Students will be expected to develop a responsibility for their personal growth/learning and take advantage of the opportunities before them. Students will have many opportunities to learn the skills and a foundation of knowledge needed to master the Earth Science curriculum. Students will need to engage these moments to take control of their personal growth.

**Key ideas:**

- Students will be able to explain how the Earth and celestial phenomena can be described by principles of relative motion and perspective.
- Students will be able to describe how the phenomena that we observe on Earth involve interactions among components of air, water, and land.
- Students will be able to explain how matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.

**Expectations and Guidelines:**

- Homework is due at the beginning of the period.
- Successful students will attend class regularly and be on time.
- Successful students will demonstrate skills indicative of quality workers by bringing required materials, completing homework assignments, participating in class discussions, and respecting the opinions of others.
- Successful students will demonstrate accountability by listening closely in class.
- Students are not allowed to use cell phones while in class, unless otherwise stated. Therefore, if a student is seen using their cell phone for any reason other than classwork, it will negatively impact their grade.
- Students are not allowed to leave the classroom without a hall pass. Only one student at a time can use the restroom.
- A Zero Tolerance Policy is enforced concerning cruelty, harassment, excessive teasing, discrimination, bullying, violence, and intimidation. Foul language, derogatory remarks, and disrespect toward classmates, teachers and school staff will not be tolerated.
- A Zero Tolerance Policy is enforced concerning cheating on tests and quizzes and plagiarism.
- Students are expected to respect the property of others (including writing on or defacing desks).

**Grading policy:**

<i>Classwork/participation</i>	50%
<i>Assessments</i>	30%
<i>Projects</i>	15%

<i>Homework</i>	5%
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**Scope and Sequence:**

Unit 1 (September)	<i>Scientific Method and Skills</i>
Unit 2 (October)	<i>Maps and Measurements</i>
Unit 3 (November)	<i>Astronomy and Isolation</i>
Unit 4 (December)	<i>Dynamic Earth</i>
Unit 5 (January)	<i>Rocks and Minerals</i>
Unit 6 (February)	<i>Earth History</i>
Unit 7 (March)	<i>Landscapes</i>
Unit 8 (April)	<i>Meteorology</i>
Unit 9 (May)	<i>Climate</i>
Unit 10 (June)	<i>Regents Review</i>

**Attendance Policy:** In case of absence, excused or otherwise, students are expected to complete any classwork or homework assignments they have missed in order to receive an academic grade without penalty. The student will receive a grade of "0" for the classwork assignments on the missed day until the student hands in the missing work. It is the student's responsibility to follow up with me to ensure he/she makes up any missing assignments.

Student Name: \_\_\_\_\_ Date: \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_