

Greater New York Academy

Earth Science Syllabus

Teacher: Mr. J. Patterson

Room: # 5

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Office hours: Tuesday & Thursday after school and by appointment.

Motto: I can do all things...

Quote: Education is not a preparation for life. Education is life itself...

COURSE DESCRIPTION: Earth science is the study of the earth, its characteristics, its meteorological phenomena, astronomy, and the correlation of these topics to scripture. As students study geomorphic features and major geologic processes of the past, present, and future, they should gain a greater appreciation of God as the Creator and Sustainer of the universe. Included as major topics are geology, astronomy, meteorology, and oceanography. Topics will be taught from a content and concept basis with an emphasis on scientific processes and correlation to the scriptural accounts of Creation and the Flood.

TEXTBOOK AND STUDY GUIDE: Namowitz, S. & N. Spaulding. 1989. D. C. Heath and Company: Lexington, Massachusetts.

CLASS MATERIALS: Textbook, Study Guide, Notebook, Pens (only black and blue ink), a scientific calculator and pencils.

COURSE GOALS

The earth science course will help students do the following:

- Understand the basic laws, principles, and theories of earth science.
- Use and understand conceptual models to explain earth phenomena.
- Identify geomorphic features on a given object, i.e., planet & sun.
- Understand the major geologic processes and how they shape the objects in the solar system.
- Understand the implications of the theories of geologic time and evolutionary change.
- Contrast geologic time scales with the time scale of Creation as recorded in scripture.

- Recognize geomorphic features and explain the geologic processes of the earth.
- Value the understanding of earth science concepts and processes.
- Develop hypotheses that explain the observable features of the earth.

COURSE OUTLINE:

AREA	1	INVESTIGATING PROCESSES OF CHANGE
	Topic 1	Observation and Environment
	Topic 11	The Changing Environment
AREA	2	THE EARTH MODEL
	Topic 111	Measuring the Earth
	Topic 1V	Earth Motions
AREA	3	THE EARTH'S ENERGY BUDGET
	Topic V	Energy in Earth Processes
	Topic V1	Isolation & the Earth's Surface
	Topic V11	Energy Exchanges in the Atmosphere
	Topic V111	Moisture & Energy Budgets
AREA	4	THE ROCK CYCLE
	Topic 1X	The Erosional Process
	Topic X	The Depositional Process
	Topic X1	The Formation of Rocks
	Topic X11	The Dynamic Crust
AREA	5	THE HISTORY OF THE EARTH
	Topic X111	Interpreting Geologic History
	Topic X1V	Landscape Development & Environmental Change

GRADING POLICY

Your semester grade is divided into these areas:

Tests	-30%
Quiz	-20%
Class work	-30%

Homework -20%

The final letter grade will be determined by the following criteria:

A	93-100	C	73-75
A-	89-92	C-	69-72
B+	86-88	D+	66-68
B	83-85	D	63-65
B-	79-82		
C+	76-78	F	Below 63

The final semester examination is 20% of the overall grade !!!

NOTE: STUDENTS MUST TAKE THE EARTH SCIENCE REGENTS IN JUNE !!!

Classroom Regulations:

1. It is the student's responsibility to familiarize himself/herself with all school policies in the Greater New York Academy's bulletin and follow them.
2. No one may leave their seat without permission.
3. Students will not be allowed in the classroom if they are not properly attired.
4. No student may leave the room without permission.

Exams:

1. It is the student's responsibility to request a make up exam within the first two days of returning to school.
2. A doctor's note, a phone call from your parent/guardian or note from them is required to take the exam.
3. All make up exams are given after school (they will be in essay format).
4. All test missed and not made up will receive a grade of zero.

Heading:

1. Must be at the top of the paper.
2. Must have first and last name.
3. Must have the date.
4. Must have the class period.

5. Must have page of assignment.
6. Must have the subject.

Class preparation and department:

1. Absolutely no eating or drinking anytime in class (gum, mints, candy, juice, etc.)
2. Leave work area around chair and desk clean.
3. Bring all books to class everyday.
4. Bring writing materials that write.
5. Carry a positive attitude.

Parent/Guardian

Please read the entire course description with your child, sign below and return to me. If you have any questions please call me at (718) 639-1752 at school or by e-mail. Thank you very much. I look forward to having a successful and productive year with your child.

Parent/Guardian Signature _____ Date _____

Student Signature _____ Date _____

Remember:

^ I can do all things...

Have a Great Year !!!