

SOMERS HIGH SCHOOL

OPEN HOUSE

MR. BRIAN HUGICK

SUBJECT: EARTH SCIENCE

TEXT : • Reviewing Earth Science: The Physical Setting by Thomas McGuire

1. CLASS OBJECTIVES:

- A.) To have every student obtain a direct understanding of the Earth (hydrosphere, lithosphere, atmosphere and solar system).
- B.) To use the scientific method to solve problems.

2. MATERIALS NEEDED FOR CLASS: Notebook, textbook, folder, writing tools, calculator, loose leaf paper and any material due.

3. HOMEWORK: Will be assigned every night. The due date and work expected will be clear. Homework will be corrected and returned.

4. TESTS AND QUIZZES: There will be a test or quiz every week. Tests will be announced in advanced and will include materials covered in the book, lab and class.

5. LABS: At least one lab will be completed for each major topic. Students will keep a complete portfolio of all work that will be stored in room 146.

6. PROJECTS: Long term projects will be assigned throughout the year. It is expected that the students will follow all directions and due dates. The work is to be an independent effort of the student (unless otherwise directed).

7. GRADING:	TESTS/QUIZZES	60%
	LAB/CLASSWORK	30%
	HOMEWORK	10%

8. ABSENCES: Students will have 1 day to make up any missing lab, homework, quiz or test due to a missed class. It is the student's responsibility to get notes and make up all missed work. Students are encouraged to contact classmates when class is missed. It will be helpful for the students to have a homework buddy who can collect all work for them.

9. BEHAVIOR: All students must behave appropriately and follow class-rules at all times. Failure to do so could be a safety hazard.

10. EXTRA HELP: Extra help, lab make-ups and reference materials can be obtained in Rm. 146 after school on Wednesdays from 2:00 - 2:45PM.

11. PARENT CONTACT: Parents may feel free to call 248-8585 ext. 656 to leave a message. I will try my best to return the call in a timely fashion.

REGENTS: TOPICS TO BE COVERED

PROLOGUE The Science of Measurement

UNIT 1 Planet Earth

UNIT 2 Minerals and Rocks

UNIT 3 Plate Tectonics / Dynamic Crust

UNIT 4 Erosion, Deposition and NYS Landscapes

UNIT 5 Interpreting Earth's History

UNIT 6 Atmosphere

UNIT 7 Meteorology

UNIT 8 Water Cycle and Climate

UNIT 9 Earth in Space

UNIT 10 Beyond Planet Earth

UNIT 11 Environmental Awareness

New York State Testing:

- **Regents Exam - Physical Setting Earth Science**
 - June- Lab Practical
 - June- Written Exam

AREAS INCLUDE

1. Skills of a Scientist

Observation
Measurement
Scientific Method
Density
WaterWorld Project

2. Exploring the Earth

atmosphere
hydrosphere
lithosphere
water cycle
mapping the Earth

3. Dynamic Earth

earth's structures
changes in the crust
rocks and minerals
weathering and erosion
earthquakes and volcanoes
plate tectonics

4. Electromagnetic Energy

wave properties
electromagnetic spectrum
spectroscopes
uses / sources of light and sound
heat
Project Schoolpowernaturally.org

5. Weather

causes
climates
measuring/ effects
mapping

6. Earth in Space

solar system
stars
motions in space
exploring / colonizing space
seasons