

Ms. Sztąberek and Ms Lieber
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Office: 298-5100 Ext. 30036
REGENTS EARTH SCIENCE
Course Number S341
Classroom: 252

COURSE OF STUDY:

Physical Setting Earth Science is a New York State Regents course that requires extensive study time. **All important and new information, instruction, and announcements will be available in our google classroom.** Regents Earth Science covers 12 major topics (listed with subtopics on the following page) and will include extensive lab work.

MATERIALS NEEDED:

Required

- 2" 3-ring binder

Optional

- folder

You will be provided with an Earth Science Reference Table (ESRT). This **MUST** come with you to class.

CONDUCT:

Mature, responsible behavior is expected at all times. Please be aware that certain labs may require the use of sharp objects and/or chemicals. Hence, there is absolutely **no tolerance** given to horseplay or other immature behavior. **Warnings will not be given for this, so be aware of your behavior at all times!**

CELL PHONE USE: **No cell phone use will be allowed during class time.** If your cell phone is out during class time you will be required to place it in the holder at the front of the room. Repeated warnings regarding this will result in phone calls home and, if the problem persists, disciplinary action.

EVALUATION:

Grades are assessed equally for all students, so you alone are responsible for your grade. Always try to do your best. I am here to help! Extra help and study groups can be arranged.

Classwork/HW & Participation	10%
Labs	30%
Quizzes	30%
Test	30%

Final Course Grade:

1st Marking Period = 25%

2nd Marking Period = 25%

3rd Marking Period = 25%

4th Marking Period = 25%

Absence:

If you are absent **YOU** are responsible for making up all missed work. *I am always here to help!*

Regents Exam:

If the student has not completed the necessary lab requirement, the student **will not be allowed to take the Regents Exam**. To achieve Regents credit, a student must achieve an overall grade of 65 or higher, including a 65 or higher on the Regents Earth Science Exam.

Lab Requirements:

All students taking Regents Earth Science must complete a minimum number of laboratory investigation hours. **This is a New York State requirement.** You will have a lab period every other school day but some lab work may be completed during single periods as well. During a laboratory session, students must be prepared to work for the entire length of two normal periods. You will be notified if there are any deficiencies in required lab activities. Regardless, all required lab work must be completed satisfactorily by May 2023, **or the student will not be allowed to take any portion of the Regents Exam in June**, and will therefore likely fail the course. *Simply put, the completion of lab work is not optional; it is the essential learning mechanism for this course.*

The following topics will be covered throughout the year: (not necessarily in this order)

1. PROLOGUE: (measurement, use of Reference Tables, density, classification, observation, inference, etc.)
2. PLANET EARTH (its size, shape, structure, mapping the surface, isolines, gradient, etc.)
3. MINERALS ROCKS and RESOURCES (identification and analysis)
4. THE DYNAMIC CRUST (earthquakes, volcanoes, continental drift, plate tectonics)
5. WEATHERING, EROSION, DEPOSITION (weathering processes, glacial processes, soils, streams features and processes, landscapes)
6. GLACIERS, OCEANS AND LANDSCAPES
7. INTERPRETING EARTH'S HISTORY (dating techniques, fossils, past events)
8. PROPERTIES OF THE ATMOSPHERE (study of weather, atmosphere, wind, clouds, weather instruments)
9. WEATHER SYSTEMS (synoptic weather maps, weather prediction, and natural hazards)
10. WATER CYCLE AND CLIMATES (water cycle, insolation, and climate)
11. EARTH IN SPACE (motions of celestial objects, constellations, angle of insolation, seasons)
12. BEYOND PLANET EARTH (moon phases, eclipses, orbits, gravity, solar system, universe)
13. STEWARDSHIP OF OUR PLANET (human influences, pollution, resource management)