

COURSE SYLLABUS for EARTH SCIENCE: SEF21 – Sections 01/02/03/04

Mrs. Dubizh - Summer 2020

Course Description:

The study of Earth Science this summer will consist of 3 basic units: Climate Change and Global Warming, Minerals, Rocks and Gems and The Theory of Plate Tectonics and the formation of Earth's features.

We will begin by exploring the complex issue of Climate Change and the present day causes and effects of Global Warming. Next, we will look at the basic elements that comprise the Earth and how they combine to form minerals that we use in various ways in our daily life. Emphasis will also be put on the importance of recycling mineral resources. Finally, we will touch on how rocks are formed from these minerals through the rock cycle. The course will finish with a brief look at certain features of the Earth such as Volcanoes and Earthquakes, among others.

As a final project, students will choose a topic of interest and create a research question that they will answer in a short paper that they will present to the class.

Text:

Glencoe/McGraw Hill - Earth Science, 2008
Feather, Snyder, Zike, et al.

Workbook:

Globe Fearon / Science Workshop Series:

Seymour Rosen - Geology, 2000

Course Expectations:

Grading Policy –

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| 30% | Exercises – Exercises will be posted weekly . Students are expected to answer questions IN THEIR OWN WORDS and be able to explain what they wrote and why. |
| 30% | Quizzes – Instead of a weekly exercise there will be 2 multiple choice and/or short answer quizzes that will be a review of independent work done during the week. |
| 40% | Summer Semester Project - Research Paper – 1page min. (double spaced)

- You will choose your own topic that you are interested in and formulate <u>a question</u> that you would like answered about the topic using at least three sources. A reference bibliography will be necessary and students should be expected to share out their research with the class as a whole |