COURSE SYLLABUS for EARTH SCIENCE: SEF22 – Sections 01/02/03

Mrs. Dubizh - Summer 2020

Course Description:

The study of Earth Science this summer will consist of 3 basic units: Meteorology - Climate Change and Global Warming, Geology - the Theory of Plate Tectonics and the formation of Earth's features, and Astronomy - the study of the planets and other celestial bodies.

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 how certain features of the Earth such as Volcanoes and Earthquakes are formed and change over time. Finally, students will be introduced to the theory of the Big Bang and analyze its future implications for space travel and possible colonization.

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

Text:

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

Workbooks:

Globe Fearon / Science Workshop Series:

Seymour Rosen - Geology, 2000
- The Universe, 2000

Course Expectations:

Grading Policy –

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 or 3 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 – 1 page min. (double spaced)

- Students will choose their own topic that they are interested in and formulate a question that they would like answered about the topic using at least three sources. A reference bibliography will be necessary and students will be expected to share out their research with the class as a whole.