# **Earth Science 6th Grade – Advanced/Gifted/Talented/Standard**

|  |  |  |  |
| --- | --- | --- | --- |
| Instructor | Elena Lugo | Phone | 407-746-9381 |
| Dept. | Science | E-mail | [Elena\_lugo@scps.k12.fl.us](mailto:Elena_lugo@scps.k12.fl.us)  Preferred contact method |
| Best Time to Call | 8:30-9:00 am M-F |  |  |

## **Textbook:**

Florida Earth and Space Science: Interactive Science. Pearson Prentice Hall.

**Description** Our study of Earth Science which include topics dealing with the constitution of the earth and its atmosphere and space.

## **Goals:**

1. Students gain an appreciation and understanding of Earth Science, with respect to educational standards, through hands-on activities, labs, projects, reading, and assessment.
2. Students will build foundations in science to foster growth academically, socially, and professionally.

**Requirements:**

Student Performance and Expectations

Students will come to class on time, prepared, and with a positive attitude. It’s expected that students be considerate and respectful towards each other and the teacher. Students are always expected to put forth their best effort.

Discipline:

Each student needs to follow the general rules and procedures for Science class. Students are expected to follow all laboratory safety rules. Students are expected to be in their seats and ready to begin when the bell rings. Students must have a pass if they are late for class. All rules pertaining to Rock Lake’s Code of Conduct Handbook apply. Rules and procedures will be reviewed with the students during the first few days of school. Parents/Guardians are to read the safety contract and return the signed portion to their child’s teacher as soon as possible. The general sequence of consequences for unsatisfactory behavior in the classroom:

* verbal correction and/or warning :
* possible phone call home
* detention
* Major infractions and repeated offenses will result in an office referral

Absences:

When a student is absent it is the responsibility of that student to ask the teacher or another student for the assignments missed in order to make them up. Assignments are also listed on the class website (mrslugoscience.weebly.com)for students to access. Students have one day plus one day for each absent to make-up missed assignments and tests.

**Class Website/eCampus**

Our class website page is available and updated frequently. The website can be accessed by typing the following in the URL bar:

* mrslugoscience.weebly.com
* eCampus is a learning platform that will be used for secure quizzes. The students will be given login information at the beginning of the school year. A free app is available through the Apple App store and Google Play. The app can be located by searching for Canvas by Instructure in either app store.

**Tests, Quizzes, and Assignments:**

Students need to stay on task with their reading assignments and homework completion. The reading assignments are essential for understanding of material in the classroom. With that in mind each student will also be required to complete and turn-in class assignments, homework, and projects. Assignments and due dates will be posted on the board. It is the student’s responsibility to write down each assignment. Students will be given adequate notice for tests and are expected to study for these tests. Students are required to maintain/organize an Interactive Science Notebook that will be counted as part of the class grade and will be essential for preparing for assessments. All classes will conduct a scientific experimental project during the first semester, and a science project during the second semester. For Advanced/Gifted/Talented classes, the first will be a Science Fair eligible project.

**Study Island**

Study Island is a practice website used as a review of the prior year’s curriculum and as reinforcement for this year’s curriculum. It may be assigned as a homework grade or as a quiz grade.

**Evaluation**

Each student’s grade will be calculated using Seminole County Public Schools formulae that will be explained at the beginning of the school year.

**Earth Science Unit Schedule**

The order of these units may vary, if needed.

**1st Grading Period**

*Chapters 1, 2, 7, 8, 13*

* Nature of Science
  + Lab safety
  + Measurement
  + Scientific Processes
* Geologic Time
  + Earth’s Age
  + Earth’s Changes
* Fossils
* Earth Layers and Landforms

**2nd Grading Period**

*Chapters 7, 9, 10, 13, 15, 17*

* Plate Tectonics and Earth’s Energy Flow
* Rock Cycle/Weathering/Erosion
* Hydrosphere and Interactions

**3rd Grading Period**

*Chapters* 12, 15, 16, 17

* Weather and the Troposphere
  + Atmosphere
  + Weather and Climate Patterns
* Human Impact on:
  + Air
  + Land
  + Water

**4th Grading Period**

*Chapters 3, 4, 5, 6*

Human Technology and Space Exploration

* Solar System
  + Sun, Earth and Moon systems
  + Members of the Solar System
  + Sun, Stars, Galaxies
  + Law of Universal Gravitation
* Seasonal Changes