Teacher: Mr. Gwozdz e-mail: cgwozdz@lsps.org

Length of term: 1 trimester website: http://www.ls-science.weebly.com

Credit: 0.5 credit

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## I Course Description

The course is an exploration of the planet Earth. In this 13 week course, students will gain an understanding as to how our planet was formed, the composition of our planet, the interaction between all its systems, and how humans are currently affecting it.

## II Text/Materials/Supplies

* Notebook specifically for this class
* Textbook (Kept in class)
* 3-ring binder (1 inch is a recommended minimum) **or** folder
* Black or blue pen or pencil

## III Course Content

The course will cover the following topics:

* The Chemistry of Our Solar System and Earth
* Systems (Water, wind, land)
* Earth and Human Activity
* Weather and Climate
* History of Earth

## IV Outcomes

1. All students will demonstrate an understanding of scientific inquiry.
2. Students will ask questions that help them learn about the world; design and conduct investigations using appropriate methodology and technology; learn from looks and other sources of information; communicate their findings using appropriate technology; and reconstruct previously learned knowledge.
3. Students will analyze claims for their scientific merit and explain how scientists decide what constitutes scientific knowledge; how science is related to other ways of knowing; how science and technology affect our society; and how people of diverse cultures have contributed to and influenced developments in science.
4. Students will measure and describe things around them; explain what the world around them is made of; identify and describe forms of energy and explain how electricity and magnetism interact with matter.
5. Students will explain how visible changes in matter are related to atoms and molecules.
6. Students will investigate, describe and analyze ways in which matter changes. Describe how living things and human technology change matter and transform energy; explain how visible changes in matter are related to atoms and molecules; and how changes in matter are related to changes in energy.

## V Assessment

1. **Homework (25%)** – most will be collected and graded for effort and/or correctness
2. **Whiteboarding/Participation (20%)** – students will be asked to whiteboard with groups, and then discuss their efforts afterwards. Grade will be based on effort and correctness.
3. **Quizzes/Tests/Projects (35%)** – Tests will always be announced in advance. Students will be given ample time for projects, and will be graded based off of a rubric.
4. **Labs/Miscellaneous (20%)** – Labs may be graded based on a summary or by answering questions.
5. **Final exam** – will be cumulative of all material for the trimester

**Lake Shore’s Grading Policy:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B+ 87-89% C+ 77-79% D+ 67-69% F 0-59.9%

A 93-100% B 83-86% C 73-76% D 63-66%

A- 90-92% B- 80-82% C- 70-72% D- 60-62%

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