Freshman Academy Earth Science Syllabus

Instructor

Ms. Emily Cashen

Email

ecashen@rsu13.org

Room

13A

Google Classroom –
•***Students*** will be provided with a code when they receive their iPad.
•***Parents/Guardians***, please, email me if you would like to be added to Google Classroom.

Course Overview

This introductory Earth Science class is a proficiency based course. Students should expect to use activities, technology, and labs throughout this course to study Earth's origins, geology, surface and internal processes, and human impact. Students will work on the following skills: developing and using models, communication (written and verbal) of scientific ideas, analyzing data, constructing explanations, and planning and conducting labs to build their skill set for their future high school science classes.

Textbook - ebook

Go to this website: Ebook.iat.com

Login - OHSweststudent

Password - Thomaston,Me04861

Course Materials – Please, bring these with you to every class.

- A binder
- Paper
- 8 dividers (one for each unit)
- Pens or pencils
- School provided iPad (charged) and charger

Standards

The two standards (taken from the Maine Department of Education website and created by Next Generation Science Standards) are the overarching ideas that will be covered in Earth Science. Performance Indicators allow students to understand the goal of the lesson, section, and unit. Earth Science will cover 12 performance indicators under the two standards listed below. Each assignment will have the relevant performance indicator at the top of the assignment and the rubrics will be posted on Google Classroom.

- Understand and analyze the origins, interactions and relationships between and among the earth, our solar system, and the universe as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts.
- Understand and analyze earth's systems and the relationship between human activity and the earth as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts.

Course Schedule

Unit	Subject
1	Stars and The Sun
2	Big Bang Theory
3	Earth's interior
4	Properties of Water – Lab
5	Plate Tectonics
6	Carbon Cycle
7	Human Impact
8	Climate Change

Types of Assignments and Grading

Earth Science will be aligned with the standards and performance indicators outlined on Google Classroom. Standards and performance indicators state the goals students will work toward during the course. At the beginning of each unit, we will discuss the performance indicators and students will rewrite and define each performance indicator in their own words. There are two types of assignments: formative and summative assessments.

- Formative assessments are the daily assignments such as classwork, quizzes, drafts, worksheets, questions, questions at the beginning or end of class. These will receive a percentage grade of 0-100%.
- Summative Assessments are the final tests and projects at the end of units. These will always include a rubric and will get two grades: one will be on a scale of 1-4 and one will be a percentage grade between 0-100%. For students to pass the class, they must receive a 70% and at least a 2.5 for both standards.

Additional Information

I am at Oceanside before and after school most days. If you need to stay after, please make arrangements for extra help. I am also available through email.

If you know you will not be able to complete an assignment by the due date, please see me as soon as possible with a plan.

Please review the syllabus with a parent and have your parent sign under your signature.

Parent _____ Date_____

Student _____ Date_____

I look forward to an exciting year exploring the Universe, Earth, our environment, and the role humans play in the Earth's systems.