

8th Grade Comprehensive Science Syllabus and Course Requirements

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Course Overview

Standards taught in this course are the NGSSS for Science, which include the use of scientific inquiry, research, measurement, and problem solving. Laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. **Although our data collection techniques may differ due to the current social distancing guidelines, students will still be given opportunities to make observations, interact with data, understand measurement errors, and understand the complexity and ambiguity of empirical work.**

Topics

Topics to be covered include the Practice of Science and Scientific Knowledge with a focus on Scientific Theories, Laws and Models. Our study of the properties of matter will focus on the Scientific Theory of Atoms, the Periodic Table of Elements, physical and chemical properties and changes in matter, and energy transformations such as photosynthesis and cellular respiration. We will also focus on our Earth in space and time, and the impact of Science on political, social, and economic issues.

Requirements

Students are expected to come to class prepared each day with required supplies and a readiness to learn. Participation in classroom assignments and activities is essential for success. Parents are encouraged to ask their child to share his/her science notebook on a regular basis, as this will be a good indicator of what is currently being studied in class.

Daily Supplies

One subject spiral notebook	Pencils/Pens
Red Pen	Ruler
Glue Stick	Scissors

Attendance

There is a chance attendance may become an issue this school year. I will work with each student on an individual basis to make up missed work due to SARS-CoV-2.

Grading Policy

Each science assignment is assigned a point value. Total points earned determine a student's grade. Students are expected to turn in assignments completed and on time. Partial credit will be given to late assignments as follows. An assignment will be worth 20% less for each day late up to two days. Any assignment more than two days late will not be counted and the student will receive a zero for that assignment.

Interactive Science Notebook

Students in this course will be using an interactive notebook as a tool to increase student thinking and achievement, and also as a means to track, reflect, communicate, and assess assignments. Notebooks will be a record of work done throughout the year. Students are required to keep their notebooks neat and up to date.

Homework

Homework will be assigned on a regular basis and is due at the beginning of the next class period or specified due date.