

Sixth Grade Science Syllabus

Chestnut TAG Middle School

Teacher: Ms. Bailey

School Phone: (413) 750-2333

Cell Phone: 413- 224-8457

E-mail: baileys@springfieldpublicschools.com

Curriculum: KnowAtom

Course Description:

In the 6th grade, students become scientists and engineers in the class where they get the opportunity to discover and enhance their creative potential and develop higher order thinking skills. Students will investigate the answers to different questions and use their scientific knowledge to solve problems. Throughout the course of the year, students will explore several different areas of science, engineering and technology and use many of the same practices that scientists use to answer questions and engineers use to solve real world problems.

Distance Learning Preparation

As we head into this school year with this “new normal”, here are some things that are relevant to your child(ren) virtual learning experience. All virtual meetings will be held on the Microsoft Teams platform and attendance is required. Students are expected to be in class on time each day sitting up straight, with their cameras on and be ready to participate. Assignments and curriculum materials will be available virtually for all students, on Unified classroom. Grades can be accessed via Unified classroom as well.

Course Curriculum:

Topics to be covered include the following:

Physical Science

Energy & Matter

- Unit 1 – Gravity & Motion
- Unit 2 – Atoms & Molecules

Earth's Place in the Universe & Earth System

- Unit 3 – Satellites
- Unit 4 – Climate & Human Activity

Life Science

Biological Structures & Functions

- Unit 5 – Landforms
- Unit 6 – Biodiversity
- Unit 7 – Cells to Systems

Ecosystem Dynamics

- Unit 8 - Forests

Physical Science

Motion & Stability: Forces & Interactions

Engineering, Technology & Applications of Science

- Unit 9 - Civil Engineering

Grading Policy

Late work will not be accepted unless student has an excused absence. If a student is absent, they will receive the same amount of days as they missed to make up the work. Extenuating circumstances will be considered, students are required to communicate via email in these situations. Grading is comprised of classwork, participation, and assessments. Students should expect regular quizzes, as well as a test at the completion of a unit. **Due to the nature of remote learning**, homework will not be assigned every day, but students are expected to complete class readings and incomplete classwork (which is graded).

Weighted Percentages:

Assessments 80 %

- Formative
 - Quizzes, Labs, Investigation etc – 30 %
 - Exit Ticket – 10 %
- Summative
 - Tests – 40 %

Classwork & Participation 20 %

Availability for Extra Help:

After School: Thursday and by request.