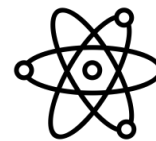


WELCOME TO 8TH GRADE PHYSICAL SCIENCE!



Teacher: Coach Poteet
School Year: 2024-2025



COURSE DESCRIPTION

Using the Georgia Standards of Excellence, students will investigate and analyze concepts in order to obtain, evaluate, and communicate information about fundamental physical science content. This course is designed to provide students with the necessary knowledge and skills to become literate, knowledgeable, and proficient in Physical Science concepts at a deeper level.

GEORGIA STANDARDS OF EXCELLENCE

S8P1. Obtain, evaluate, and communicate information about the structure and properties of matter.

S8P2. Obtain, evaluate, and communicate information about the law of conservation of energy to develop arguments that energy can transform from one form to another within a system.

S8P3. Obtain, evaluate, and communicate information about cause and effect relationships between force, mass, and the motion of objects.

S8P4. Obtain, evaluate, and communicate information to support the claim that electromagnetic (light) waves behave differently than mechanical (sound) waves.

S8P5. Obtain, evaluate, and communicate information about gravity, electricity, and magnetism as major forces acting in nature.

READING AND WRITING ACROSS THE CURRICULUM:

Reading and writing skills are imperative to be successful in science. Each student will be required to keep an organized science notebook and update it daily with content and concepts covered in the day's lesson. It is important that students bring this notebook with them to class every day along with paper and pen or pencil.

COURSE CALENDAR

<u>Fall Semester</u>	<u>Spring Semester</u>
Unit 1a: Atomic Structure / Properties of Matter (5 weeks)	Unit 5: Electricity and Magnetism (3 Weeks)
Unit 1b: States of Matter / Physical and Chemical Changes (3 weeks)	Unit 6a: Properties of Waves (3 Weeks)
Unit 2: Transformations of Energy (3 Weeks)	Unit 6b: Light Waves / EM Spectrum (4 Weeks)
Unit 3: Force (2 Weeks)	Unit 6c: Sound Waves (3 Weeks)
Unit 4: Motion (4 Weeks)	Unit 7: GMAS Review

EVALUATION

As a science department, we believe in using many forms of assessment. We will use a variety of classroom activities, labs, quizzes, experiments, and group work to check for understanding as the unit progresses. These are considered formative grades and are weighted at 40% of the term average. At the end of each unit or section of information, students will have the opportunity to demonstrate their mastery of the standards. This may include tests and/or performance projects or tasks and will be counted as summative grades, which will be weighted at 60% of the term average.

LATE WORK POLICY

All work is expected to be turned in on time. 10% will be taken from the overall grade of the assignment for each day past the given due date. For example, if work is turned in one day after the assigned due date, the maximum grade for said assignment goes down to 90%. After five days the maximum grade on said assignment will be 50%.

COMMUNICATION

My primary means of communication will be through email address:

rpoteet@cartersvilleschools.org

Please feel free to email me if you have any questions or concerns about your child's learning. I will get back with you as soon as possible. A student's success in science is a result of clear support and communication between students, teachers, and parents.

Please cut and return the bottom of this page signed and dated by the student and parent to confirm you have read and understand the syllabus.

(Student Name)

(date)

(Parent or Guardian Signature)

(date)