

Physical Science Syllabus

Breonna Lane breonna.lane@clayton.k12.ga.us



Introduction

Eighth grade science focuses on learning the basics of chemistry and physics. This course is designed to engage students through a variety of learning techniques that emphasize mathematical, writing and reading skills. Students explore many different topics associated with Physical Science while learning the fundamental principles, theories, laws, and facts that govern science.

Units of Study

- Matter - properties, changes, classification, and the Periodic Table of Elements
- Energy - classification, transformations, and flow of energy
- Forces and Motion - relationship between force, motion, and movement of objects
- Waves - understand how electromagnetic and mechanical waves travels
- Forces in Nature - gravity, mass, inertia, friction, and Newton's Laws of Motion

Georgia Standards of Excellence:

<https://www.georgiastandards.org/Georgia-Standards/Pages/Science-Grade-8.aspx>

Expectations

All students are expected to enter the classroom prepared and ready to learn. All students are to bring a positive attitude to class with them each day and to open their minds to new ideas and ways of thinking about the world around them. Science is about investigating and interrupting the world. To master these expectations, students will be conducting lab experiments; and must always practice lab safety. All students are required to have a current lab safety contract signed by parents/guardians and on file. Students without a signed and returned safety contract will NOT be able to participate in labs/activities. In addition, students who fail to practice lab safety will be removed from the lab area and given an alternative assignment.

Classroom Rules

Students are to follow all policies and guidelines set forth by the Clayton County Public Schools' Student Handbook. In addition, students must conduct themselves in a manner that is conducive to a positive and safe learning environment.

Grading

Below are the grade percentages for each assignment category:

Tests/Exams - 30%

Classwork - 45%

Projects - 15%

Homework/Notebook Checks - 10%

Make-Up Policy

It is the responsibility of each student to obtain, complete, and return all missing assignments. For each day missed, the student is allowed one week to make up work starting the day of his/her return.

Supplies

As explained during July 31st's Open House, students will need the following items for my class:

- Composition Notebook
 - Pen(s)/Pencil(s)
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2023-2024 Physical Science Syllabus Acknowledgement

By signing you acknowledging that you have read and agree with the 8th grade Physical Science Syllabus. After signing, please return this portion to Ms. Lane for a homework grade. Thank you in advance for your support.

Student Name: _____

Class Period: _____

Parent/Guardian: _____

Signature: _____

Date: _____