

**Physical Science Syllabus**  
**Mr. Jeff Newman**  
**Jnewman@paulding.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 critical thinking, mathematical, writing and reading skills. Students will explore many different topics associated with Physical Science while learning the fundamental principles, theories, laws, and facts that govern these particular areas of science.

**Units of Study**

- Matter – properties, changes, classification, and The Periodic Table of Elements
- Energy – classification, transformations, and flow of energy
- Forces and Motion – gravity, mass, inertia, friction, and Newton’s Laws of Motion.
- Electricity and Magnetism – properties, flow, connection between electricity and magnetism
- Waves – classification, properties, and behavior

Georgia Performance Standards for this class can be viewed at: <http://www.georgiastandards.org/>. Click on “Science” from the scroll down menu next to “Subject,” and “8” from the “Grades” and then “search.”

**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 involves questioning, investigating and interpreting or analyzing information. 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 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. Students will have some weekly homework that is assigned on Canvas.

**Classroom Rules**

Students are to follow all policies and guide lines set forth by the Paulding County Board of Education and Austin Middle School. These rules are in the student handbook located in the Paulding County folders sent home on the first day of school. In addition, students must follow the guidelines and procedure put in place by the classroom instructor.

**Grading Policy**

All grades will fall into one of three categories listed below.

- Informative = 0 weight      Formative = 40% of average grade      Summative = 60% of average grade

**Make-up Policy**

It is the responsibility of each student to obtain and complete any missed assignments. For each day missed the student is allowed one day to make up work starting the day of his/her return. For example, if Johnny misses Monday and returns to school on Tuesday then he has until Wednesday to turn in all make-up work. Students can also check my teacher webpage for updates as well.

**Supplies**

For a list of supplies please refer to the 8<sup>th</sup> Grade Supply List.

We have a class Remind-Please sign up so you don’t miss out on any important info (see teacher webpage for details).



**2020-2021 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 Mr. Newman. Thank you in advance for your support.

**Student:** Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

**Parent/Guardian:** Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_