**PHYSICAL SCIENCE SYLLABUS**

**Teacher:** Ms. Scott
**School Address:** 1701 Fifteenth Street, Augusta, GA 30901
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**Availability:** Monday–Friday, 7:00 a.m. – 3:00 p.m. (excluding holidays)

**Course Overview**
Physical Science introduces students to foundational concepts in chemistry and physics. This course emphasizes scientific reasoning, hands-on learning, and real-world application. Students will investigate matter, chemical reactions, energy, forces, and waves while using scientific tools and methods.

**Georgia Standards of Excellence (GSE) – Physical Science**

* **SPS1** – Structure of Matter: Students will learn about atoms, elements, compounds, and how the periodic table is organized.
* **SPS2** – Chemical Bonds and Reactions: Focus on how atoms bond to form molecules and how to recognize and predict chemical reactions.
* **SPS3** – Conservation of Matter and Energy in Reactions: Students will explore balancing chemical equations and mass conservation.
* **SPS4** – Properties of Matter: Investigation of physical and chemical properties and changes in matter.
* **SPS5** – Nature of Electricity and Magnetism: Covers static and current electricity, magnetism, and how they are used in technology.
* **SPS6** – Energy Transformations: Students will analyze different forms of energy and how energy changes from one form to another.
* **SPS7** – Force and Motion: Students will study speed, velocity, acceleration, Newton’s laws, and how forces act on objects.
* **SPS8** – Waves and Their Properties: Learn about mechanical and electromagnetic waves, sound, light, and wave behavior.
* **SPS9** – Properties of Light and Sound: Study how sound and light behave, reflect, refract, and transfer energy.
* **SPS10** – Energy and Its Conservation: Understand thermal energy, heat transfer (conduction, convection, radiation), and conservation of energy.

**Grading Policy**

* Minor Assessments (Quizzes, Tests, Exams): 60%
* Major Assessments (Class Participation, Assignments, Labs, Projects): 40%

**Classroom Expectations**
To ensure a safe and focused learning environment, students are expected to come to class prepared and follow all classroom and school policies.

**Daily Required Materials**

* Paper
* Pencils or Pen
* Science Notebook or Binder
* Computer/Chromebook (fully charged)

**🚫 Electronic Device Policy**
In compliance with RCBOE policy:

* No cell phones, earbuds, or headsets are allowed during class
* Devices must be powered off and put away during instructional time
* This policy will be strictly enforced

**General Expectations**

* Be on time and prepared to learn
* Show respect to your teacher, classmates, and school property
* Follow directions the first time they are given
* Participate actively and complete all assignments
* Maintain a positive attitude and try your best

This year will be filled with discovery, hands-on learning, and opportunities to grow both academically and personally. My goal is to create a classroom where every student feels supported, challenged, and inspired. I look forward to getting to know each of you and working together to make this a successful and enjoyable year. Let’s get ready to learn, grow, and explore all that science has to offer!