



Grade 8 Physical Science

Alexis Austin

2021-2022

Course Description and Objectives

The **Physical Science Georgia Standards of Excellence** are designed to continue student investigations of the physical sciences that began in grades K-8, and provide students the necessary skills to have a richer knowledge base in physical science. The standards in this course are designed as a survey of the core ideas in the physical sciences. Those core ideas will be studied in more depth during in the chemistry and physics courses. The physical science standards include abstract concepts such as the conceptualization of the structure of atoms and the role they play in determining the properties of materials, motion and forces, the conservation of energy and matter, wave behavior, electricity, and the relationship between electricity and magnetism. Students investigate physical science concepts through the study of phenomena, experiences in laboratory settings, and field work.

Textbook

McGraw Hill: Physical Science and Interactive Science Essentials Physical Science (Consumable)

Unit/Concept Names

- | | |
|--|------------------------------------|
| * Unit 1a Structure of Matter | * Unit 3 Energy |
| * Unit 1b Properties and Changes of Matter | * Unit 4 Waves |
| * Unit 2 Atomic Structure and Periodic Table | * Unit 5 Force and Motion |
| | * Unit 6 Electricity and Magnetism |

Major Course Projects and Instructional Activities

At least one project will be assigned each grading period. This will be an extension or enrichment of the concepts discussed. Students will have 1 to 3 weeks to complete each project depending on the complexity of the task. Some tasks and/or projects will be completed in class (specifically the unit culminating tasks – these MUST be completed in class only).

Course Assessment Plan

Students will receive a variety of assignments designed to enhance their learning. If a student is absent, the student is responsible for the missed assignment. Students who have an excused absence will be allowed five days to turn in the missed assignment without penalties. No work will be accepted after five days.

Evaluation (Schoolwide Grading Policy)

- Summative Assessments 40% (Unit & Chapter Test, Projects, Tasks)
- Formative Assessments 50% (Quizzes, Class work, Graded Writing Assignments, Group Work, etc.)
- Homework/Other 10% (assigned at teacher's discretion)



Assignments and Grades

- * **Virtual Assignments:** All assigned work must be completed by *Saturday of each week at 4pm and submitted via Canvas.*
- * **In-Class Assignments:** All assigned work that must be physically turned in/is due by Friday end-of-day each week.
- * You will receive a minimum of 1 grade per week.
- * Grades will be assigned via a mixture of practice assignments, formative assessments (quizzes and tasks), and summative assessments (tests and major projects), and homework.
- * **Late assignments will be accepted for 1 week after the assigned due date with grade penalties unless discussed and agreed upon with Ms. Austin or extenuating circumstances due to absences.**
- * No work for the previous 9week grading period will be accepted after grades have closed out for the term. It is not possible to adjust grades once the grading period has closed.
- * If it becomes necessary due to a failing quarter average, you will be given recovery assignments with a contract that outlines the expectations for grade recovery for that quarter.
- * Please make sure your email is correct in Infinite Campus and check your emails regularly for missing grade communication prior to the end of the quarter.

Classroom Procedures & Expectations: Face to Face

The overarching expectation in this class is **RESPECT**: respect for yourself, respect for other students, respect for the teacher/or any individual in authority, and respect for any guests that may enter our class. Although this encompasses all other expectations, I will outline several others for the sake of clarity.

1. Always Try YOUR BEST!!! I will not settle for anything but your best!!
2. Have the "I can do it" attitude! Stick To It and Don't Give Up!
3. Remain SEATED and PREPARED at all times.
4. Bring ALL materials to class DAILY: notebook and pencil.
5. Every student is responsible for helping to maintain a clean, safe learning environment. Your area must remain CLEAN at all times. The floor should be clear of trash, paper, and personal belongings.
6. Adhere to all policies, rules, and regulations outlined in the student handbook, and Richmond Hill K-8's Norms.

Parent Teacher Conferences:

Occasionally it will be necessary to meet to discuss your child's progress behaviorally, academically, or both. Should the need arise where you have something you would like to discuss with Ms. Austin or the entire team please use the self-service link to book a time and date that is most convenient to you. Please note meetings must be scheduled at least 24 hours in advance.

http://bit.ly/RHK8_8thConf



My contact information:

Email: AustiAl@boe.richmond.k12.ga.us

Remind messages: @Gr8AustiAl

Cell Phone: 404.666.8807

For class updates and information please join me on Remind!

Download the app using the code @Gr8AustiAl

Text @Gr8AustiAl to 81010

<https://www.remind.com/join/gr8austial>

Extra Credit opportunity:

If both the parent and student join the class on Remind your student will receive a free formative assessment grade of 100.

Required Science Course Materials

- * **1 – ‘9 x ‘11 3 subject Spiral Notebook (science only)**
- * Pencils (mechanical preferred)
- * Pens

The following items will be used in all classes

- * 3” 3-ring Binder (Shared with all classes)
- * 3” 3-ring Binder (Shared with all classes)
- * Coloring Utensils (crayons, coloring pencil, or markers)
- * Scissors
- * 1 Package of Dividers (5 Total)
- * Highlighters

Donations appreciated for the following (optional):

- * Copy Paper
- * Hand Sanitizer
- * Dry Erase Markers
- * Kleenex
- * Disinfectant Wipes

Resources:

iReady

www.Mathia.com

www.LegendsOfLearning.com

www.Desmos.Com



**Student/Parent Acknowledgment
of Receiving the Physical Science Course Syllabus**

Your student will receive a homework grade once the syllabus signature page is completed. Either print this page sign and return or click the link for the digital signature page and complete electronically. [Electronic Signature Page](#)

Print Sign and Return

By filling out this form you are acknowledging that you and your student have read and understand the course syllabus. If you have any questions or concerns the best way to reach Ms. Austin is via email (AustiAl@richmond.k12.ga.us), however, you can also reach me via Remind, text, or phone call @ 404.666.8807. I will do my best to respond as quickly as possible but please keep in mind district policy requires a response within 48 business hours.

Student Name: Last, First

Class Period:

- 8th Grade—Austin Homeroom
- 8th Grade—Sumpter Homeroom

Student Phone Number:

Parent/Guardian Name (First and Last):

Parent Email:

Parent Phone:

Street Address:

Zip Code:

If there is anything you would like me to know about your student, please fill in below: