

**Physical Science Course Syllabus**

Instructors: Mrs. Kristi Cannon and Mrs. Jessica Devoursney

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**Course Description:** The Physical Science curriculum is designed to continue student investigations of the physical sciences that began in grades K – 8. This curriculum, as outlined by the Georgia Performance Standards, will explore the concepts of motion, force, sound, light, electricity, magnetism, matter, and energy. Students will also further develop skills including scientific processing, mathematical problem solving, and laboratory investigations.

For more detailed standards, please go to:

<https://case.georgiastandards.org/27a08dc6-416e-11e7-ba71-02bd89fdd987/763ad554-416e-11e7-9564-6e730d17f60a/44>

**COURSE CONTENT****FIRST SEMESTER**

- Energy Transformations
- Thermal Energy
- Newton's Laws of Motion
- Work & Machines
- Sound Waves
- Light Waves
- Electricity & Magnetism

**SECOND SEMESTER**

- Atoms & Periodic Table
- Chemical Bonding
- Chemical Equations
- Nuclear Reactions
- Properties of Matter
- Properties of Solutions
- Acids & Bases

**Required Materials:** 3-ring binder Scientific calculator Pencil or Pen (blue/black) Paper (lined & graph)  
(TI-30 series calculator is preferred & can be used in future Chemistry & Physics classes)

**Recommended Materials:** Highlighters/Colored Pencils Notebook Dividers (10-12)

**Textbook:** You will have access to the physical textbook while in class. Outside of the classroom, you will be able to access an online textbook.

All students are issued a district-provided chrome book for instructional purposes, student engagement, and student learning. Chrome book use is at the direction and discretion of the classroom teacher.

**Grading:** Grades will be updated weekly and available to parents and students via the infinite campus parent portal. Students and parents should check grades regularly. The *Semester Average* will be determined as follows:

<b>Major Assessments</b>	<b>45%</b>
<b>Minor Assessments</b>	<b>20%</b>
<b>Daily Work</b>	<b>15%</b>
<b>Final Exam</b>	<b>20%</b>

Students may re-take two unit tests per semester except those in which cheating occurred or were not originally completed. Test corrections or tutoring must be completed in order to receive the re-test which should be completed within one week of the original. This course includes a cumulative exam at the end of each semester.

**Academic Integrity:** Assignments or tests containing material copied from another student will receive NO CREDIT. Students who willingly allow others to copy their work or answers also will receive NO CREDIT. Parents/guardians will be notified should their student lose credit for any class grade due to an honor code violation.

**Digital Learning**

To encourage blended learning, online assignments and course resources will be posted in Canvas. Students should be familiar with how to navigate the online platform, communicate with their teacher, and submit assignments on time. Students should also bring their charged Chromebook to class every day. If there are technology limitations, please notify the teacher.

## **Procedures and Expectations**

**\*\*Students are expected to adhere to the VHS Student Code of Conduct at all times\*\***

### **Classroom Behavior**

- Arrive ready for class (notebook, pencil/pen, homework, Chromebook)
- Actively participate in class and lab every day.
- Treat everyone with respect. Be polite toward the teacher and your classmates.
- Food and drink are not permitted (except water in closed containers in the classroom).
- Take pride in the classroom by helping to keep it clean.

### **Attendance**

- Students should make every effort to be in class every day. If absent, **it is the student's responsibility to obtain missed assignments/notes from a classmate or teacher**. If absent, check Canvas. Obtain handouts from the make-up work crate when you return or have a friend bring it home to you.
- An absence the day before an assignment deadline or announced test **DOES NOT** warrant an extension.
- If a test is missed, it is the student's responsibility to schedule a day to make-up the test within 5 school days. If a lab is missed, it will be the teacher's discretion if an alternate assignment or make-up lab is provided.
- If you are not in the classroom when the bell rings you will be marked tardy. Disciplinary action for tardies will follow the student handbook.

### **Consequences**

- Minor disruptions/infractions will receive warnings, conferences, and/or parent phone calls.
- Repeated minor offenses will result in detention to be served in room 1210 from 3:00-3:30pm. Be prepared to do homework or tasks assigned by the teacher.
- An office referral will occur for major disruptions/infractions, failure to serve assigned detention, or after repeated detention assignments.

### **Suggestions for Success**

- Complete ALL homework assignments. If it's not assigned, review your notes from class that day.
- As soon as you recognize you need help, ask for it. Schedule tutoring with your teacher.
  - Mrs. Cannon's Tutoring days are: Monday & Thursday from 7:25AM – 7:55AM.
- Attend SOAR sessions related to the topics with which you need help.
- Seek assistance from classmates and form study groups.
- Make flashcards of your vocabulary terms and other important concepts.
- Do extra practice at home or re-work practice problems from classwork.
- The following are helpful websites you can use to review at home. They are also linked in Canvas.
  - Khan Academy (for Physics and Chemistry)
  - GA Virtual School – Physical Science Course
  - Professor Dave YouTube Channel (for Physics and Chemistry)
  - GPB Website – Physics in Motion
  - [www.physicsclassroom.com](http://www.physicsclassroom.com) and their YouTube channel

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PRINTED STUDENT NAME

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PERIOD**LAB SAFETY CONTRACT**

## General Lab Safety Rules

- Follow all written & verbal instructions as provided
- Wear proper eye/clothing protection at all times.
- Conduct yourself in a responsible & safe manner in the laboratory environment.
- Be knowledgeable of equipment, safety symbols, & techniques required for each lab.
- Know where/how to get help in an emergency, including the location of the first aid, safety shower, eye wash, fire extinguisher, and fire blanket.

Students must pass a lab safety quiz with an 80 or higher to be permitted to participate in lab activities.

**QUESTIONS**

1. Do you wear contact lenses? ☐ YES ☐ NO
2. Are you color blind? ☐ YES ☐ NO
3. Do you have allergies? ☐ YES ☐ NO If so, list specific allergies:
4. Is there any medical condition that I need to be aware of? If so, please list:

I have read, understand, and agree to follow the lab safety rules outlines above, located in the lab safety materials, and any others provided in the future. I will conduct myself safely & appropriately at all times in the lab environment. I understand that failure to do so may result in not receiving credit for the lab and/or an office referral.

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STUDENT SIGNATURE

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DATE**PARENT ACKNOWLEDGMENT**

I have read the information provided in the course syllabus and understand the policies, procedures, and expectations. I will support the teachers' efforts to ensure my student is successful in this class. I acknowledge that my student must abide by the lab safety rules as outlined above and any others provided by Mrs. Cannon and Mrs. Devoursney. I have contact information to communicate with Mrs. Cannon and Mrs. Devoursney if needed:

Email: [kristina.cannon@hcbe.net](mailto:kristina.cannon@hcbe.net)[jessica.devoursney@hcbe.net](mailto:jessica.devoursney@hcbe.net)

Phone (478) 218-7537, Ext. 64669

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PRINT PARENT NAME

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PARENT PHONE #

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PARENT SIGNATURE

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DATE

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PARENT EMAIL #1

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PARENT EMAIL #2COMMENTS: 

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