

## Physical Science

Mrs. Jennifer Bolton  
Room 2207  
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## Syllabus & Class Expectations



**Course Description:** The Physical Science curriculum is 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 in the chemistry and physics courses.

More detailed information and current standards can be about this course can be found at:  
<https://www.georgiastandards.org/Georgia-Standards/Documents/Science-Physical-Science-Georgia-Standards.pdf>

### Course Content & Topics of Study:

#### FIRST SEMESTER (Physical Science A)

- Safety & Scientific Processes
- Force, Mass & Motion
- Energy Transformations
- Waves; Light, & Sound
- Electricity & Magnetism

#### SECOND SEMESTER (Physical Science B)

- Nature of Matter
- Atomic Structure & Radioactivity
- Periodic Table
- Chemical Bonding & Reactions
- Solutions
- Acids & Bases

### Materials

#### **Textbook: *Physical Science* (Classroom Set or Online Only)**

- 3-ring binder & dividers (set of 12)
- Notebook Paper
- Pencils, Pens (blue or black ink)
- Dry erase markers
- Scientific Calculator (*TI-30 series is preferred & can be used in future Chemistry & Physics classes*)
- Colored Pencils/Highlighters/Notecards (*Optional*)
- *Box of Kleenex OR Hand sanitizer to be used in our classroom (Optional)*

### 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. This course includes a cumulative exam at the end of each semester. The *semester average* will be determined as follows:

Major Assessments	45%
Minor Assessments	20%
Daily Work	15%
Final Exam/EOC (if applicable)	20%

**YOUR GRADES**  
*are*  
**EARNED**  
*not*  
**GIVEN**

### Tutoring/Remediation

I will be available for tutoring every Monday and Wednesday in room 2207 from 7:30-8:00. Additional opportunities will be provided during SOAR sessions throughout the semester and during designated class time.

### Honor Code

Cheating will not be tolerated and IT DOESN'T ULTIMATELY HELP YOU LEARN! Any student involved in copying assignments, tests, and/or answers (physically or electronically) will not receive credit for the assignment and will be referred to an administrator for review. Parents/guardians will be notified should their student lose credit for any class grade due to an honor code violation.

### Classroom Rules:

#### **1) Be Ready**

Arrive ready for class; be an active participant in class and lab every day.

#### **2) Be Responsible**

Bring needed supplies to class every day.

#### **3) Be Respectful**

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).

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

### Consequences:

If any student should fail to comply with the classroom rules, he/she will receive:

- 1<sup>st</sup>. A warning
- 2<sup>nd</sup>. Parent contact and 15 minute detention
- 3<sup>rd</sup>. Parent contact and an office referral

\*Note: The time of detention is nonnegotiable and will be held in room 2207 from 3:00-3:15. Be prepared to do homework or complete classroom chores. Failure to report to detention will result in Administrative Detention. Please see the VHS Student Handbook.

### VHS Retesting Policy

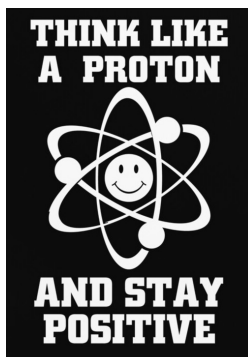
Students will have the opportunity to re-take two major assessments per semester, after completing tutoring/corrections. A re-test cannot replace a zero for a task never initially completed.

### Additional Tools & Resources:

**OneDrive:** Every VHS student has a personal OneDrive student account on Office365. Students will be expected to utilize this account to access documents and submit assignments. It is the student's responsibility to be familiar with this technology. The media center specialist is available to answer any questions about OneDrive.

**Google Classroom:** To encourage blended learning, online assignments will be posted weekly through Google Classroom. At least one Google Classroom assignment per week will be graded and entered in Infinite Campus. Students should be familiar with how to navigate the online platform, communicate with their teacher, and submit assignments on time. If there are technology limitations, please notify the teacher.

*"Teaching is more than imparting knowledge, it is inspiring change.  
Learning is more than absorbing facts, it is acquiring understanding." ~William Arthur Ward*



**PARENT/Student ACKNOWLEDGMENT**  
**Physical Science**  
**Mrs. Bolton**

By signing below, I acknowledge that I have received, read, and understand the objectives, student expectations, classroom rules and procedures, grading policy, disciplinary consequences, textbook information, materials required, and tutoring information provided in the syllabus for the Physical Science course. I will support Mrs. Bolton's 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. Bolton. I have contact information to communicate with Mrs. Bolton as needed.

Parent/Guardian, please include your e-mail address and the single best phone number at which to contact you between 7:15-3:30.

Student Name (Print): \_\_\_\_\_ Period: \_\_\_\_\_

Parent Guardian Name (Print): \_\_\_\_\_

Phone number: \_\_\_\_\_

Parent/Guardian E-mail Address: \_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date

Comments: \_\_\_\_\_  
\_\_\_\_\_

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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 outlined 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

### Dear Parent or Guardian:

We feel that you should be informed regarding the school's effort to create and maintain a safe science/laboratory environment. With the cooperation of the instructors, parents and students, a safety instruction program can eliminate, prevent, and correct possible hazards. You should be aware of the safety instructions your son/daughter will receive before engaging in any laboratory work. No student will be permitted to perform laboratory activities unless this contract is signed by both the student and the parent/guardian and is on file with the teacher. All students must also pass a lab safety quiz with an 80 or higher to be permitted to participate in lab activities.

Your signature on this form indicates that you have discussed the importance of lab safety in the laboratory with your son/daughter, are aware of the measures taken to ensure the safety of your son/daughter in the science laboratory and will instruct your son/daughter to uphold his/her agreement to follow the rules and procedures in the laboratory setting.

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PARENT/GUARDIAN SIGNATURE

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DATE