

## PHYSICAL SCIENCE SYLLABUS

**Instructor:** Mrs. Calhoun

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**School Phone:** (470) 615-3450

**School Web Page:** www.henry.k12.ga.us/hchs

**County Web Page:** www.henry.k12.ga.us/

*Below is the link to the MHS Remote Learning Information website. This website is meant to be a one-stop shop for students/parents to obtain remote learning information that is specific to MHS (expectations, schedule, FAQs). It can also be found on the school webpage under the About Us section.*

[https://sites.google.com/d/1u5RktmT1mylFsQ9-baCBE\\_EcbU6wOTwn/p/1VL2aHfEdg0DTg4xeHXutgbmwDNZFxIfr/edit](https://sites.google.com/d/1u5RktmT1mylFsQ9-baCBE_EcbU6wOTwn/p/1VL2aHfEdg0DTg4xeHXutgbmwDNZFxIfr/edit)

NOTE – All of our tests and Quizzes will be administered through illuminate.

### HOW TO ACCESS ILLUMINATE SECURED BROWSER FOR TESTING?

Please follow the steps below.

STEP – 1 – Turn on your Chromebook. DO not log in!!!

STEP -2- Look at the bottom left corner for the waffle shaped icon named ‘Apps’.

STEP -3 – Click on “APPS” and choose the option named ‘HCS Illuminate Secure Browser’.

STEP-4- Log in Using your computer user name and password

STEP – 5 – Click on “TAKE AN ASSESSMENT”.

STEP – 6 – You will find the assessment and click the assessment to begin the test.

### ATTENDANCE POLICY

- Attendance is mandatory. Students have to attend the classes during the scheduled time.
- Attendance will be marked in the infinite campus.
- Parents will be notified about failure to attend the Google meet classes.

### FINALLY,

- All of our instructional resources will be housed in the GOOGLE CLASS.
- WE will be using the Google meet link in the Google class for our classes.
- Assignments are to be turned in on the specified due date. If you missed any assignments during the week due to an excused absence, make sure to turn them in by that Friday.

## PHYSICAL SCIENCE SYLLABUS

**Course Description:** Physical Science is the study of matter and energy. It is an introductory lab-based science course. The first 9 weeks is the study of physics and will deal with how matter and energy are related and how energy is transferred through matter. The second 9 weeks will deal with chemistry, which is a study of the composition of matter and how it behaves.

**Course Objectives/Standards\*:** The student will...

- ✓ SPS1. Obtain, evaluate, and communicate information from the Periodic Table to explain the relative properties of elements based on patterns of atomic structure.
- ✓ SPS2. Obtain, evaluate, and communicate information to explain how atoms bond to form stable compounds.
- ✓ SPS3. Obtain, evaluate, and communicate information to support the Law of Conservation of Matter.
- ✓ SPS4. Obtain, evaluate, and communicate information to explain the changes in nuclear structure as a result of fission, fusion and radioactive decay.
- ✓ SPS5. Obtain, evaluate, and communicate information to compare and contrast the phases of matter as they relate to atomic and molecular motion.
- ✓ SPS6. Obtain, evaluate, and communicate information to explain the properties of solutions.
- ✓ SPS7. Obtain, evaluate, and communicate information to explain transformations and flow of energy within a system.
- ✓ SPS8. Obtain, evaluate, and communicate information to explain the relationships among force, mass, and motion.
- ✓ SPS9. Obtain, evaluate, and communicate information to explain the properties of waves.
- ✓ SPS10. Obtain, evaluate, and communicate information to explain the properties of and relationships between electricity and magnetism.

*The above standards were obtained from the Georgia Standards of Excellence developed by the Georgia Department of Education ([www.georgiastandards.org/science.asp](http://www.georgiastandards.org/science.asp))*

**Units of Study:** *(Subject to change)*

1<sup>st</sup> 9 weeks

1. Laboratory Safety
2. Force, mass & motion
3. Machines
4. Transformation & flow of energy
5. Wave properties
6. Electricity & magnetism

2<sup>nd</sup> 9 weeks

1. Classification of matter
2. Phase changes
3. Atomic structure
4. Periodic table
5. Chemical bonding & naming
6. Conservation of mass & balancing equations
7. Types of reactions
8. Properties of solutions
9. Acids, bases, salts & pH
10. Nuclear chemistry

**Materials Needed:**

- 3-ring binder notebook with paper
- Pen or pencil
- Calculator
- Ruler
- Dividers
- Headphone compatible with the chrome book
- In these times of lean funding for schools, we find that some basic staples are in limited supply. We need paper towels, hand soap, dishwashing detergent, and Kleenex. If you are able to donate any of these items, the students would be greatly appreciative.

## PHYSICAL SCIENCE SYLLABUS

**Text:** Physical Science: Concepts in Action, published by Pearson/Prentice Hall

**Grading Policy and Procedure:**

|  | Practice Work<br>(40%)   | Assessment Task<br>(40%)   | Exam: 20%                                      |
|--|--|--|--|
| <b>Science</b><br>100.0% - 90.0% = A<br>89.0% - 80.0% = B<br>79.0% - 74.0% = C<br>73.0% - 70.0% = D<br>69.0% - 0.00% = F | <b>Class work, homework, formative assessments, diagnostics assessments, written reflections</b> | <b>Constructed response assessments, selected response assessments, reflective assessments, summative unit assessment, culminating performance tasks, projects</b> | <u>Milestone will count 20% of Final Grade</u> |

**Contacting the Teacher:** Email ([nysheba.calhoun@henry.k12.ga.us](mailto:nysheba.calhoun@henry.k12.ga.us)) is a great way to keep up with your child's progress and is the best way to contact us. You may also call the school and leave a voice mail. We can set up phone and face-to-face conferences as well.

**Class Site:** To visit the class website, go to the HCHS site ([www.henry.k12.ga.us/hchs](http://www.henry.k12.ga.us/hchs)), click Teachers, and find Ms. Augustine's name on the list. Class news and announcements will be posted here, and you can find the course schedule and links to assignments and class notes.

**Late assignments:** You are encouraged to make up missing work. Late work will be assessed a 30% penalty.

**Classroom and Discipline Procedures:** Your behavior in our classroom should be no different from that expected in your other classes. You should refer to your student handbook for expected and prohibited behaviors. The following are specific rules I expect you to follow while in my room.

- **Be on time. Students tardy without a pass will go to the attendance office for a pass and will serve detention.**
- **Electronic devices are only visible when being used for instruction.**
- **Follow dress code expectations.**
- **Stay in your assigned seat until you have permission to sit somewhere else.**
- **No food or drink in the classroom other than water.**
- **Bring a book, 3 ring binder, and writing gadgets to class every day (headphone as well).**

**Make-up Policy:** Attendance is mandatory!! **It is the student's responsibility to obtain any make-up work while they were absent. The number of days allowed to complete make-up work will not exceed the days you were absent. Failure to comply with this procedure will result in a grade of zero being given for the graded assignments missed during an absence.** All make-up work should be labeled as such (Make-up), include date of absence on all make-up work. Please put your make-up work in my hands.

*Sincerely,*  
Calhoun

The 2020-2021 school year will offer many opportunities for students to learn to grow, both academically and personally. We are glad to have this opportunity to work with you as we strive together to reach the academic goals of your child.

# PHYSICAL SCIENCE SYLLABUS

## Parent Information & Acknowledgement Form

*Please complete the form below and have your child return it to Mrs. Calhoun*

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

**Home Address:** \_\_\_\_\_

**Home phone:** \_\_\_\_\_ **Work phone:** \_\_\_\_\_

**Cell phone:** \_\_\_\_\_

**Email Address:** \_\_\_\_\_

### Syllabus Acknowledgement Statement

I hereby acknowledge that we have read and understand the course expectations, procedures, and guidelines for Physical Science for the 2020-2021 school year.

\_\_\_\_\_  
Student Name (please print)

\_\_\_\_\_  
Student Name (signature)

\_\_\_\_\_

\_\_\_\_\_  
Parent Name (please print)

\_\_\_\_\_  
Parent Name (signature)

\_\_\_\_\_  
Date