

PHYSICAL SCIENCE 2017-2018

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Physical Science 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. This course is designed as a survey course of chemistry and physics. This curriculum includes the more abstract concepts such as the conceptualization of the structure of atoms, motion and forces, and the conservation of energy and matter, the action/reaction principle, and wave behavior. Students investigate physical science concepts through experience in laboratories and field work using the processes of inquiry.

Physical Science Standards: [Click Here](#) or visit <https://www.georgiastandards.org/Georgia-Standards/Documents/Science-Physical-Science-Georgia-Standards.pdf>
You can also find a simplified copy on my website www.hydescience.org

Class Procedures:

- ➔ **Ticket in the Door:** Arrive at Classroom Door Prior to Late Bell. Students must be within 10 tiles of entrance before the tone of the late bell to be "on time".
 - Students will be greeted by teacher at door and often asked an entrance question or prompt based of previous instruction before entering the class.
 - Prior to entering class students will know the days objective and learning targets for the day.

- 1) **Bell Ringer:** Once the student has entered the class, they are to get out writing utensils and notebooks. There will be a bell ringer on the white board in the form of a question or other prompt.
 - All students must attempt the Bell ringer, they will not be penalized for being incorrect but they will be documented on SCD (Student-Centered Discipline) form for not following instructions.
 - It is vital to their success that they attempt this activity to the best of their ability so that I know how/what to teach each individual student to keep them on track.

- 2) **Lecture Time/Informative Sessions:** This portion of class may utilize PowerPoint presentations, video lectures, Q&A Sessions, Notes, Guided Notes, Student Lead Peer to Peer Instructions, Small Group Case Studies, Read for Knowledge Activities, and/or Research and Apply prompts.
 - Risk-Free Environment: It is essential that students participate in discussions and be willing to put themselves out there in an attempt to find the answers/solutions to problems. In order for this to be possible there can be no threat of embarrassment from peers, and laughing at answers or putting down other students for giving effort will NOT be tolerated.
 - Students must be willing to fail and accept that they will fail/ be wrong more than they are right, especially during the learning phase. This is especially true during practice sessions.

- 3) **Work Session:** Practice Skills with use of Conceptual Knowledge Including the following:
 - worksheets, Multiple Choice Questions, Short Answers, Data Table & Graph Analysis, Developing Visual Aids, Flow Charts, Graphs Given Specific Data, Finding and Predicting Correlations & Tendencies, and Communicating and Expressing Knowledge.

- 4) **Closing:** Learning Target Summaries and the "Take home" Message.
 - Letter to the Teacher, Kahoots, Website Review, Google Classroom Review.

Cell Phone & Technology Policy:

Cell Phones are NOT allowed for use or to be charged for any reason.

Students will be provided access to chrome books or other technology if access to internet or apps is needed.

There are no acceptable reasons to have a cellular device visible. Below is a list of common infractions.

- ✓ texting a family member mother, father, etc...
- ✓ checking the time
- ✓ "looking up something for class"
- ✓ emergency
- ✓ turning phone off or on (should be done before class)
- ✓ Not using the phone directly but having it out and visible.

Disciplinary Action for Violating Cell Phone/Classroom Rules:

1. Students will be issued a documented written warning.
2. Students will be issued a second written warning and I will contact a Parent/Guardian.
3. Student will be referred an administrator for disciplinary action.

Emergency Contact Protocol.

If there is an emergency and you need to contact a student, please do so through the Front Office.

INSTRUCTION

Every assignment will fall under one of 3 categories: Summative, Formative, or Daily. Each category is weighted differently, see table to the right for weighted percentages for these categories. The Only exception to these categories is the GA Milestone End of Course Assessment, that accounts for 20% of the student's final grade for the course. This assessment is at the end of the year in May and is a state comprehensive exam covering all Georgia Standard of Excellence Standards you can find on the GA DOE website or I also have available at www.hydescience.org

Assignment Weights	
Summative	60%
Formative	30%
Daily	10%

Pacing and Curriculum

The curriculum for Physical Science has been separated into 8 Units. 4 Units Fall Semester & 4 Units Spring Semester. There will be a Unit Summative Assessment (60%) at the end of each unit. A detailed and dated pacing guide with all test dates, and retest dates is digitally available at www.hydescience.org. Students will take a Mid-Term Summative Assessment at the end of Fall Semester that will Count for 1 summative assignment, and that grade may also be used for one of the following options.

- **Option 1:** Replace a Unit summative assessment from any unit in fall semester.
- **Option 2:** Replace 2 non-summative grades (formative &/or daily)

Student FINES

Students will be using property of Jasper County Charter School System, this may include but is not limited to Chromebooks, Laboratory Hardware, Science department facilities and equipment, and Personal property of teachers. If a student damages equipment due to off task behavior (horseplay, negligence, defiance, and/or not following lab protocols) the student will receive a fine equal to the amount that it would cost to replace the equipment at the market value of said equipment on the day that it was damaged.