

Physical Science Syllabus

Teacher Information:

Name: Ms. Nazneen

Contact Information:

Jefferson County Webpage: www.jefferson.k12.ga.us

Telephone Number: 478-625-9991

Email Address: nazneens@jefferson.k12.ga.us

Textbook/Materials:

- ✓ Physical Science Holt (Digital Textbook)
- ✓ Apps/Tech used: Google Classroom, iClicker, Flipgrid, google forms
- ✓ Composition notebook, inexpensive calculator, pens & pencils etc.
- ✓ Periodic Table (will be provided in google classroom)

Course Description:

Physical Science is an introduction to the fundamentals of both Physics and Chemistry. The students will learn and gain an appreciation of their world from a scientific perspective. Topics discussed in the classroom will also be explored in a laboratory setting. Topics covered the 1st nine weeks will be matter, atomic structure, chemical bonding, chemical reactions, solutions, acids and bases. Topics covered the 2nd nine weeks will be the motion, force, energy, electricity, magnetism, and waves.

Instructional Philosophy/Delivery Plan:

In physical science, students will receive standards based instruction. Students will be given challenging projects and assignments. High quality work is expected. All assignments should be completed on time, and at the proficient or exemplary level. If the work is below the proficient level, then the assignment will be revised until it is at the proficient or exemplary level. The format of this class will consist of lecture, discussion, hands-on activities, and whole and small group work. Assignments will consist of in-class and outside of class work, weekly reading and writing assignments.

Major Course Goals:

- ✓ To provide a thorough understanding of basic concepts in physics and chemistry
- ✓ Allow students to learn and practice sound laboratory techniques
- ✓ Teach students to apply in the laboratory what is learned in the classroom
- ✓ Use technology such as word processing, presentation software, internet, and research skills to complete projects related to the course.

Online Expectations

The beginning of Fall 2020 will be online. At the top of the syllabus, I have included apps to download. Please sign up with your school email. More apps may need to be downloaded as we progress through the semester. Just like the classroom, virtual learning upholds students to the highest standard along with expectations that are to be met. Click the link below to access the expectations for online learning. By signing the document below, both guardians and students, state that you have read the expectations and will abide by them.

➤ [JCHS BEHAVIOR MATRIX](#)

Grading Policy

1. Student progress and achievement will be evaluated in relation to the Georgia Standards of Excellence. (GSE Standards Mastery).
2. Students will be informed about grading criteria and methods used to determine a grade.
3. Grades below 50 will not be given. If you fail to turn in an assignment, then you will receive a "NC" which carries a weight of a 50. Assignments receiving NC must be made up unless the teacher determines that other substantial evidence of mastery on the same standard is available. However, if the student refuses to complete an assessment, a ZERO will be given.
4. Students will be given several opportunities to practice using various assessment methods before collecting and using information to assign grades.
5. Evidence from summative assessments will be used to determine the student's grade.
6. Makeup opportunities will be provided for students who miss a summative assignment. However, students may be restricted from taking a summative assessment until the teacher has adequate evidence that the student is prepared for the summative.
7. Students are expected to complete all required work and will be given opportunities and support to do so.
8. Where students have had several chances to demonstrate mastery of Georgia Performance Standards, students will receive the highest grade, not an average grade.

Major Tests and Projects:

- ✓ Unit tests will be given approximately every two weeks
- ✓ Nine Weeks Exam (20% of 1st Nine weeks' grade)

Assessment Plan:

Georgia Performance Standards Mastery (Unit tests, quizzes, labs, and classwork)	80%
9 weeks Exam	20%

Behavior Expectations:

1. Be Responsible
 - a. Must be in assigned seat when tardy bell sounds
 - b. Have all materials out on desk
 - c. Work on bell work
 - d. Bring notebook with paper
 - e. Bring writing utensil (pen and/or pencils)
 - f. Bring calculator
2. Be respectful
 - a. Follow ALL school rules including no eating, drinking or chewing gum, and NO cell phone during instruction
 - b. Follow directions
 - c. Clean up your area before you are dismissed
 - d. The teacher dismisses you, not the bell
 - e. Keep hands, feet, objects to yourself
 - f. Groom in the restroom
3. Be a ready.
 - a. Participate in class discussions and activities. Sleeping is **not** an option.
 - b. Ask and answer questions
 - c. Study
 - d. Get extra help (Tutorial is Tuesday & Thursday from 3:05-3:45. Please notify teacher at least 1-2 days in advance)

Discipline Procedures:

Should a student fail to meet the behavioral expectations, the following will be implemented as necessary:

CONSEQUENCES:

- 1ST violation: Warning by teacher ---- name in behavior log
- 2nd violation: 30 seconds after class to reflect on behavior
- 3rd violation: Parent Contact
- 4th violation: 1-page journal entry (What did you do wrong? Why did you do it? Why do the adults care? What would have been a better solution? etc.)
- 5th violation: Referred to administrator

Fighting, vandalism, extreme defiance, or stopping class will result in an immediate office referral.

Physical Science Pacing Guide: Fall 2020

Course	Topics	Dates
Unit 1	Properties of Matter	Aug. 10 th – Sept. 4 th
Unit 2	Reactions	Sept. 8 th – Sept. 30 th
Unit 3	Energy	Oct. 1 st – Oct. 30 th
Unit 4	Force and Motion	Nov. 2 nd – Nov. 20 th
Unit 5	Waves	Dec. 1 st – Dec. 18 th

Lab Rules

- All students and AT LEAST one guardian must sign a Student Safety Contract before starting any laboratory activities.
- Always follow the safety procedures and practices.
- There is no tolerance for ANY type of misconduct. Therefore, there is no warning for the students that are misbehaving. They will simply be asked to sit at their desk to work on other assignments. They will receive a zero for the laboratory activity.
- Failure to do what will result in students being issued a detention or suspension depending on the nature of misconduct.

Laboratory Safety

- No laboratory work shall be performed by a student without the direct supervision of the teacher. Under no circumstances is a student allowed to work in the laboratory alone.
- You will be instructed at the beginning of each laboratory period, as to the potential dangers that may be encountered and the proper precautions that are required to eliminate or reduce such hazards.
- Read all directions for the experiment before attempting to work. Ask questions if you don't understand any part of the directions. No changes from the instruction will be allowed without permission from the teacher.
- Never perform any activity that is not authorized or supervised by the teacher.
- Do not operate equipment without operating instructions or specific permission from teacher (i.e. Bunsen burner or centrifuge).
- No eating, drinking, or application of cosmetics is allowed in the laboratory.
- Always wash hands after handling chemicals, plants, animals or dissection tools.

- Careless behavior in a laboratory can cause accidents. HORSEPLAY, teasing, LOUD TALKING, TOSSING OBJECTS, and moving outside your assigned lab area are not allowed in the laboratory.
- All personal possessions such as books, coats, papers, which are not related to the laboratory procedure, should not be brought into the laboratory work area.
- Each laboratory student will be made aware of the use and location of all safety equipment.
- At the completion of the laboratory period or when an experiment is complete, return all equipment to proper storage and clean the work area.