

Physical Science

Instructor: Mr. D. Dennie and Mrs. C. Anderson

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Text: Holt Physical Science

Course Description: The learner will demonstrate and use procedures that require the use of problem solving. The students will conduct experimentation that involves the study of chemistry and physics. The class will study the structures and properties that govern matter and energy using critical thinking skills, research projects, and laboratory investigation. Based on the Physical Science Georgia Performance Standards, we will study the following topics:

Domain I: Chemistry: Atomic and Nuclear Theory, and the Periodic Table

Topics included will be Atomic Structure, Periodic Table, Molecular Motion, and Nuclear Changes.

Domain II: Chemistry: Chemical Reactions, and Properties of Matter

Topics included will be Chemical Bonding, Chemical Reactions, and Solutions, Molecular Motion, Heat Energy, and Chemical and Physical Properties.

Domain III: Physics: Energy, Force, and Motion

Topics included will be Velocity, Acceleration, Newton's Laws, Work, Power, and Simple Machines

Domain IV: Physics: Waves, Electricity, and Magnetism

Topics included will be Wave Phenomena, Electricity, and Magnetism

Co-requisite Domain: Characteristics of Science

Reading across curriculum content develops both academic and personal interests in students. As students read, they develop both content and contextual vocabulary. They also build good habits for reading, researching, and learning. In Physical Science, per state guidelines, students will be required to read the equivalent of 2.5 books. We will achieve this goal by reading the text and other assigned readings.

It is our philosophy that all students have the right to learn, teachers have the right to teach, and parents/guardians have the right to participate in their children's education. Therefore, we insist that the classroom be respected as a learning environment, and no behavior or items that disrupt such an environment will be tolerated (see the student handbook). Students will be graded on the following scale:

Evaluation: (1st 9 weeks + 2nd 9 weeks)/2 = final grade

Nine week Evaluations

Tests =	50%
Labs-skills & reports =	30%
Inquiry Project & Skills Assignment =	10%
Homework, Quizzes, & Class Participation =	10%
Total Class Grade =	100%

Determining Final Grade

End of Course Test (EOCT) =	15%
Class Grade =	85%
Report Card Grade =	100%

We have the ability to email progress reports to all student/parents. Instructions have been provided to the student on keeping a well-organized notebook and lab book. Homework assignments will generally be given throughout the week, culminating in periodic tests and quizzes. Other activities will be designated to facilitate and reinforce learning. Students will be required to complete 2 projects outside of normal class time.

Sincerely,

Mr. D. Dennie, Physical Science Teacher, HCHS

Mrs. C. Anderson, Co-Teacher, HCHS

Student's Signature:

Parent/Guardian Signature:

****The instructors reserve the right to change or adjust any section or the course syllabus at any time during the semester.**

Teacher Expectations of Parents/Students

1. We expect that every student who steps into our classroom have a good attitude, behave properly, and follow the rules. If a student breaks the rules, they will receive a warning, then a 30 minute detention, and then a 1 hour detention. If they continue to break the rules, we will inform the parents/guardian. Once we have informed the parents, from then on out, they will go to the bench and be written up.
2. We expect that students do their work every day. If a student does not turn in an assignment when it is due, they automatically have points deducted from the assignment. They have 1 week to get the assignment turned in to receive partial credit. If it is not turned in after 1 week, the child receives a 0 on the assignment. It is their responsibility to see us to get make up work. We will not chase them down to give them their make up work.
3. We expect that parents will work with us to help out their son/daughter. We send emails every week of the student's progress. We expect to have feedback from parents. We expect that if you feel your student is having problems, that you will contact one of us or the counselor in a timely manner. We do not expect you to call after 15 weeks of school have passed to try and correct the problem. We expect to talk to each parent 1-2 times a semester, whether through email or by phone.
4. We expect that students will not sleep in class. If they do, they will receive a 1.5 hour of detention to stay after school and make up the class. If it continues to be a problem, we call home and expect the problem to be resolved. If it is not, the student will be sent to the bench and written up.
5. We expect that students stay after school to receive extra help if they need it. If they have a job after school, I expect they set up times to stay after for help when they are not at their jobs.
6. We expect that students be in school every day. A student that misses multiple class will have a hard time passing any science class. What we learn today, will be used tomorrow.

Student/Parent Expectations of Teacher

1. You can expect that we will communicate how your son/daughter is doing in class. We send progress reports through emails every week. Every 9 weeks, you can expect at least 4 notifications of your student's classroom performance. They will receive a printout from us at 2 weeks and 7 weeks. They will receive school reports at 5 weeks and 9 weeks. The excuse that "I did not know" is not acceptable. If after 5 weeks, your son/daughter is failing, we will notify you either by mail or by phone. Every day we tell students if they are missing work.
2. You can expect that every day students come into our classroom, they will learn. We will provide an environment that is conducive to learning free of distractions. We will remove any and all distractions. This is an EOCT (End of Course Test) class, and there are no free days.
3. You can expect that there is no busy work in physical science because there is not time for busy work. All the work you do, you need to do.
4. You can expect that we will treat your son/daughter with respect.
5. You can expect that we are after school 95% of the time until 4:00 pm for students to stay.
6. You cannot expect to have your son/daughter complete extra credit assignments at the end of the semester to pass the class. You can expect that your student has the opportunity to do bonus point assignments for each unit we cover. After the unit is complete, they can no longer do those assignments.
7. You can expect that students will have homework at least 4 nights a week. This homework will be written down in their agenda every day. If they say they have no homework, check their agenda.

My signature below indicates that I have read and understand the following classroom procedures:

Respect:

I will respect the authority and rules of HCHS as delineated in the student handbook.

I will respect my teacher's right to teach and classmates' right to learn.

I will respect the classroom as a learning environment, and I understand that no behavior (e.g. sleeping, eating, annoying sounds) or items (e.g. cell phones, DC/IPOD with earphones) that disrupt the classroom environment will be tolerated.

Be in your seat when the bell rings to start class and stay in your seat until the bell rings.

Words not to be used in class: "Shut-up, Gay, Retard, Fag, Loser"

Property:

I understand that all animals, computers, lab equipment, and other students' property are strictly off limits without the approval of the teacher/owner. I also understand that substitute teachers cannot authorize animal handling or computer use.

Work Ethic:

The work I turn in will be my work, not the work of my parents, classmates, and friends.

I understand where class work and homework assignments are posted in the classroom.

I understand that the teacher is available for after school assistance.

Before each class begins (by the bell) I am required to have in my possession the following items:

Agenda, Binder with notebook paper, Textbook, Pen or Pencil

Responsibility:

I understand that if I do not follow the above rules, there will be consequences for not complying with the above classroom procedures. Those consequences include, but are not limited to detention and being removed from the classroom.

Student's Printed Name

Student's Signature

Parent's Signature

Date