



PHYSICAL SCIENCE SYLLABUS

Ms. Dallas

2018-2019

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229.225.5050

Planning Period: 5 (11:45am - 12:15pm)

Course Description: Physical Science is the study of matter and energy. Students in this course will be introduced to basic principles of chemistry and physics. The course will cover a variety of topics, including motion and forces, states of matter, atomic structure, the periodic table, electricity, and magnetism. This course requires an End of Course Test.

Text: Holt Physical Science (replacement cost – \$45.30)

The Physics of Super Heroes (replacement cost - \$14.50)

(Students are responsible for books that they check out. They will be given an Indebtedness notice if not returned by the end of the year which will need to be cleared to be able to march in graduation ceremony.)

I will be using a variety of media to present the information—textbooks, videos, speakers, demonstrations, labs, and anything else that I might discover that might increase your learning and enjoyment level. I am a firm believer that if you are having a good time in class, you will learn far more than if you were...say...asleep or absent.

Supplies: pen/pencil; 1 subject spiral notebook; calculator; composition notebook for science fair projects; personal glue stick and markers/colored pencils; post-it notes (personal scissors optional)

Georgia Performance Standards

Standards:

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.

**More information regarding these standards can be accessed at:

<https://www.georgiastandards.org/Georgia-Standards/Pages/Science-Physical-Science.aspx>

Gading Policy-

Benchmark 10%

Tests 30%

Labs/Projects 30%

Class Work 30%

The final course grade will be determined by the above work counting 80% and the Georgia Milestone counting 20%.

The due date for assignments will be the deadline for turning in the assignment. If you are absent on the due date, the assignment will be due the first day you return to class. One day late – 10 points off; two or more days late – 20 points.

Tutoring-

I provide tutoring to all of my students after school by appointment only. Students can sign up on a calendar one day in advance. Tutoring is available in the afternoon until 3:30. Students may stay longer in the afternoons only with prior notice and with transportation arrangements made in advance. It is important for students to master the concept before the day of the test and I would recommend students to come to tutoring if they are unable to complete a quiz or daily practice problem without the help of others.

Reading in the Content Area-

As part of our content standards, all students will be required to read content related material to enhance the curriculum. Reading requirements include current science articles and *The Physics of Superheroes* by James Kakalios. This will be assigned during the 3rd nine weeks grading period. An outside project and reading assignment will be required.

Class Expectations: They are pretty simple. All school policies apply as well.

1. **Respect Everyone.** When someone is talking, don't talk. If you have something to say, please raise your hand. No cursing or profanity. You must respect everyone's right to learn and CAN NOT interfere with that process. Respect other's things (if it is not yours don't touch it). #BENICE
2. **Do your best work and be responsible.** Turn it in on time! If you ever feel that something is not your best see me and we can find an alternative assignment. #QUITCHEATING #WORK HARD
3. **Bring all materials to class. Be prepared to learn when the bell rings.** The warm up will begin with the bell. Tardies are a big deal! I will dismiss you at the end of the period. Use the restroom before class. #NOTARDIES #NOFREEDAYS
4. **Listen to rules and follow them.** This is important on lab days. #LABDAYSRULE #BESAFE
5. **Keep in touch.** If you don't understand something, ask. #IDONTBITE
6. **Food and cell phones are not permitted.** Please do not bring food into the classroom – safety reasons and insects. #NOTYOURMOM #ONLYWITHPERMISSION #NOTEXTING #NOPICS

If you choose to break a rule:

1st time is a warning (Student/Teacher conference)

2nd time is Parent Contact and detention

3rd time is referral

Rewards for good behavior

Praise! (stickers are cool)

Positive Notes Home (in agenda)

Candy!!

Make up work-It is important that you are here as much as possible. Make up work is a pain to make up. It can be done by appointment BEFORE OR AFTER SCHOOL

Teacher Web site: Information about test dates, projects, Power Points, etc. will be available for you to check throughout the year. To access web site – www.thomas.k12.ga.us -> schools -> TCCHS -> Teacher Websites -> click teacher.

Outside assignments: There will be several activities and reports that will be required outside of class. These will be posted in the google classroom.

Physical Science Pacing Guide 2017-2018

1st 9 weeks

Introduction		1 week
Atoms and The Periodic Table	SPS1a, b, c SPS2c (names of ions)	2 weeks
Bonding and Reactions	SPS2 a, b, c; SPS3 a, b; All of SPS1; SPS6d	3 weeks

2nd 9 weeks

Solutions, Acids and Bases	SPS6 a-e; SPS5	4 weeks
States of Matter and Behavior of Gases	SPS5 a & b	2 weeks
Radioactivity, Half Life	SPS4 a-c; SPS1	2 weeks

3rd 9 weeks

Energy Types and Heat	SPS7 a-d SPS5a	2.5 weeks
Motion	SPS8a	2 weeks
Forces and Newton's Laws	SPS8 b, c SPS8 a	3 weeks
Work and Simple Machines	SPS8 a SPS8 a-c	1 week

4th 9 weeks

Waves	SPS7a; SPS9 a-e	2 weeks
Electricity and Magnetism	SPS10a-c	3 weeks
Milestone EOC Review	All standards	2 - 3 weeks

Syllabus Confirmation 2018-2019
Ms. Dallas – Physical Science

Please sign below indicate you and your parents have read the above information. Please keep this in your folder.

Teacher: I will be fair and consistent in administering the discipline plan and grades for my students.

Signature: _____ Date: _____

Student: I have read the classroom discipline plan and syllabus, and I understand it fully. I will honor it and will support it while in the classroom.

Signature: _____ Date: _____

Parent: My child has discussed the classroom discipline plan and syllabus with me. I understand and support it.

Signature: _____ Date: _____