



Physical Science Honors Syllabus

We are all-in...for every minute... every class...every student...every day!

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Course Description: Physical Science offers an overview and introduction to many different areas of study through lab investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures as an integral part of the course, allowing students to interact directly with natural phenomena or with data collected using tools, materials, data collection techniques and models. This helps the students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations, creating and understanding of measurement error, and skills to aggregate, interpret and present the resulting data. The areas of study include, but are not limited to, metric conversions, the scientific method, motion, energy, temperature, magnetism, waves, matter, the Periodic Table, gas laws, chemical bonds, formulas, reactions, electricity and the electromagnetic spectrum. This course is designed to prepare the students for more specific science classes that students may be required to, or elect to take in future years, such as Biology, Environmental Science, Chemistry, Physics, etc.

The Purpose: This course is to provide opportunities to encounter theories, ideas, principles, and laws of science associated with the biology. Course work will lead to an awareness of the interdependence of the science disciplines and the relevance of science to the student.

Course Outline: (The following is a tentative outline)

Quarter 1:

- Matter & Kinetic Theory (25 days)
- Atomic Structure (15 days)
- Chemical Bonding (10 days)

Quarter 2:

- Chemical Bonding (cont – 5 days)
- Chemical Reactions/Acids, Bases, & Solutions (25 days)
- Radioactivity & Nuclear reactions (10 days)

Quarter 3:

- Motion (15 days)
- Force (20 days)
- Work, Power & Energy (10 days)

Quarter 4

- Work, Power & Energy (cont - 15 days)
- Sound & Light (15 days)
- Electricity (15 days)

This class is for high school credit!!

- ❖Physical Science Honors is a high school course and a passing grade must be earned for credit to be awarded.
- ❖Middle school students enrolled in high school courses must follow high school regulations as set forth by the Florida Department of Education and supported by the Pasco County Student Progression Plan.
- ❖The grade earned in this course will be used in calculating the Class Rank Grade Point Average (GPA) as well as the state graduation GPA, which will follow the student on his/her high school academic history.
- ❖Biology Honors is the next subsequence course in the progression for the students who successfully complete Physical Science Honors.

MyStudent/MyLearning: *MyStudent* is an online gradebook that parents and students should access daily to see upcoming assignments, missing work and scores on graded assignments. *MyLearning* will have the weekly agenda. If a student is quarantined, the student is required to attend class through activities posted on *MyLearning* daily.

Notebook: Students are required to keep an interactive notebook that contains assignments that aid in mastering the information. Students can and will use this to help study and prepare for the EOC. It will be a valuable asset.

Homework: Homework will be assigned periodically as needed and as it supports what students are learning. If there is no formal assignment, you are expected to review/rewrite your notes for a minimum of 20 minutes per day. Students are responsible for keeping up with recording homework, due dates, and quizzes/tests in their planners (please see weekly agenda board on the side of the room or on the weekly announcements in MyLearning). Check *MyStudent* and *MyLearning* for upcoming assignments to help with organization and time management. If students are unable to participate in the following day's activities due to incomplete homework, they will have to complete the incomplete homework, as well as any and all class activities missed, either during lunch, AIR time or at home.

Late work: Late work is considered work turned in after the assignment is due. When assignments are to be turned in, they are to be turned in to the appropriate bin at the ***beginning*** of class, otherwise ***it is considered late***. Assignments are due upon their assigned due date. Late work will not be accepted after the unit test. Late work will be accepted up to one week after assigned date for 50% of the grade received.

- ☞ It is the student's responsibility to acquire any missed assignments from the *MyLearning* and/or designated area.
- ☞ It is the student's responsibility to get teacher directions or assignment explanations on their own time (before, after school, or during AIR time), ***not during instruction***.
- ☞ If excused, any labs/in-class projects or assessments missed will result in an alternate assignment/assessment being completed.

Attendance/Tardy Policy: Students are expected to follow the district-wide attendance policy. Excused absences guarantee students the right to make up assignments for full credit of what they earn within a reasonable timeframe (two days for each day missed). Students must be present in class to complete the class activities/labs, actively participate in guided instruction as well as discussion. Behavior interventions will be implemented for excessive tardies (see below).

Student Rules and Behavioral Expectations: Students are expected to follow the Pasco County Schools code of conduct as outlined in the Rushe planner on *MyLearning*. Please review the expectations with your student. Behavior interventions are as follows for less offensive infractions (more offensive infractions will be handled by administration):

- 1st offense – verbal warning, reteach expectations
- 2nd offense – parent contact
- 3rd offense – lunch detention
- 4th offense – Discipline Referral

Electronic Policy: Electronic devices may be used only with teacher permission for academics.

Do not enter class with headphones or ear buds on, do not have them dangling from ears.

Failure to follow teacher direction has three (3) consequences:

- *1st is a warning,
- *2nd is you will be told to place the device in the cell phone holder at the front of the classroom
- *3rd the student will receive a referral under defiance of authority.

Plagiarism Policy: Plagiarism, the unacknowledged use of other writer's words or ideas, is a serious offense. Any work submitted which the student has not individually written in their own words or is not properly and fully documented will receive a zero grade. This offense will also be referred to administration for further disciplinary review.

Academic Dishonesty: Cheating will not be tolerated. First offense will result in a zero for the assignment/assessment. The second offense will result in a referral, and student must retake the assignment or assessment. ****Academic Integrity defines you as a student. Students are expected to fully contribute to group activities. Individual assignments must be individual ideas.**

Controversial Issues (Per Board Policy – 2240):

The Board recognizes that a course of study or certain instructional materials may contain content and/or activities that some parents find objectionable. If after careful, personal review of the program lessons and/or materials, a parent indicates to the school that either the content or the activity conflicts with his/her religious beliefs or value system, the school will consider a written request for his/her child to be excused from a particular class for specified reasons. The student, however, will not be excused from participating in the course and will be provided alternate learning activities during times of such parent requested absences.

To Do List:

* Obtain the following materials and keep them in your backpack:

- * A spiral notebook
- * Pens and pencils
- * Scissors
- * Tape or glue stick (your preference)
- * A folder
- * Colored pencils
- * Small pencil sharpener

* Sign up for Remind:

Text 81010 with the message @yasurek9 to receive reminders from me and have the ability to message me at any time.

- * Find and save link for live binders to have access to my interactive notebook & class information....go to livebinders.com, then click 'featured', type 'Yasurek' into the search box and click 'search'. Scroll down and click the Physical Science 2021-2022 binder. *There's no need to create an account!!*

Grade Scale:

- A 90%-100%
- B 80% - 89%
- C 70% - 79%
- D 60% - 69%
- F 59% and below

Grades for this class will be based on a point system with the following categories:

- homework/classwork
- labs/activities
- notebook checks
- quizzes/tests

Keep in mind:

- * I do not 'give' grades, you **earn** them!
- * Do your work.....and you'll do well!
- * Check my student twice a week!
- * Make up work if you're missing it!!

I look forward to working with each and every one of you this year in order to prepare you for your future endeavors as a productive member of society. We will spend a little time each day preparing you to become critical thinkers, which is a skill that transcends all occupations.