

Syllabus: Physical Science

Teacher: Tony Herder

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Course Description: Physical science is the study of matter and energy. First semester is on the study of matter also known as *chemistry*. Second semester is on the study of energy which is also known as *physics*. You are required to pass this class in order to graduate!

Units covered: Scientific method and graphing, Matter and Interactions, Atomic Structure, Nuclear Chemistry, Periodic Table, Chemical Bonds, Chemical Reactions, Acids and Bases, Motion, Forces, Momentum, Work and Power, Energy, Sound, Electromagnetic Spectrum, Electricity and Magnetism

Goal: For each student to increase their problem-solving abilities, communication skills, ability to work in a team, time management skills, and knowledge of physical science while having fun.

Grading scale: A: 90-100 B: 80-90 C: 70-79 D: 60-69 F: 59 and Below

Grades:

- Quarter grades: 70% Test/Quiz 30% Daily Work (everything else)
- Semester grade: 50% Quarter 1 50% Quarter 2

Science News: Each student will be expected to share science news twice per quarter. This is worth ten points. At the start of each class I will ask if anyone has science news to share. It must be something that is recent and scientific. **As a class, a maximum of three science news will be allowed per day.**

Unexcused absences and tardies: If you miss assignments due to an unexcused absence, you will receive a zero for that assignment and not be able to make it up. This includes graded bellringers missed due to unexcused tardiness.

Late Work: All assignments for the unit are due before the test. There is no deduction for this late work (after the test it is a zero and cannot be done for credit). A zero will be entered for the assignment the class period after the due date. This zero will be changed when you submit the assignment.

Rules and Procedures: All traditional classroom rules apply. Use common sense! Each one of you has been in school for several years and knows proper classroom etiquette. Any student caught cheating will receive a zero for that assignment.

Materials: Ipad

Tests: Must be connected to Apple Classroom and locked into Schoology. You are allowed to retake quizzes and tests, but only if you have zero unexcused absences the previous three class periods and no tardies the previous two class periods. Your newest score will be your official score. If you are unexcused the day of a test, you will have 5 points deducted from your test score when you make it up.

Schoology: This is the 'hub' for class. From here you will find links to everything else you need. Grades shown on Schoology are not official!

Powerschool: This is the best place to check for grades and missing assignments.

Extra Help: When you need extra help, feel free to find me before school, during my prep time, or after school. I am here to help you, so please schedule a time to come in. You can also email me at any time and I will get back to you as soon as possible.

WIN location: 211J

Cell phones: Use of cell phones is not allowed during class! If you use a cell phone during class, I will request you place it on my desk. If you refuse to do so, an office referral will be submitted. This may result in your principal confiscating your phone and requiring a parent/guardian to pick it up.

Artificial Intelligence: The use of AI is considered academic dishonesty when not authorized to do so by the educator. This means that only when the teacher has given explicit permission to use AI for any portion of an assignment or assessment can it be used. If there is evidence of AI use on any assignment where the teacher has not given explicit permission to use AI, it will be treated as academic dishonesty (per the [district policy](#)).