

Mr. Herndon's Physical Science 8 Syllabus

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School phone #: [406-346-2796](tel:406-346-2796) x5313

Google Classroom code: khborjh

Class Description:

Throughout this course we will be exploring the basic principles of chemistry and physics. First semester will include chemistry and probably the start of physics. Second semester will finish up physics and move on to some fun weekly projects to apply what we have learned.

Contact:

You can find me in my room before or after school (outside of track season). Feel free to drop by before or after school anytime. (except during track season - I have practice right after school) If you *really* need to see me during school, I am available during 2nd period - you MUST have permission to come by during that time. If you have questions about assignments, please send me an email or message me on our Google Classroom.

Suggested Class Materials:

3-ring binder with dividers, loose leaf paper for the binder, pens and pencils, ruler with standard and metric, calculator

Absences:

ALL class material will be on our Google Classroom. If a student is absent from class it is their responsibility to find out what they missed. In the event of an absence for one or any number of days a student needs to make sure to get homework assignments, notes, handouts, and class work missed. It is your responsibility to hand in missed work when it is due. Work that was due on the day of a missed class must be turned in at the beginning of class on the day you return to class. Work assigned while you were absent will be due the next day or the due date (whichever is later). Exams missed must be made up within 1 week of the missed exam.

Content:

Our approximate units will break down as follows. They may have to be adjusted according to our pace.

Semester 1 (Chemistry):

- **The atom**
 - **Models of the atom**
- **The Periodic Table**
- **Elements and chemical bonds**
- **Chemical Reactions and Equations**
- **Matter organization**
 - **Elements, Compounds, Mixtures, Solutions**

Semester 2 (Physics):

- **Motion**
 - **Position, Distance, Displacement**
 - **Speed, Velocity**
 - **Acceleration**
- **Laws of Motion**
 - **Forces**
 - **Newton's Laws**
- **Energy and work**
 - **Types of energy**
 - **Energy transformation**
 - **Work and power**
 - **Simple machines**
- **Momentum**
- **Waves, Light, & Sound**
- **Electricity and Magnetism**

Grading will break down as follows:

- Each Quarter your grade will break down this way:
 - 60% of your grade will consist of assessments - these may be tests, labs, or projects
 - 40% of your grade will consist of classwork/homework/labs/projects/other practice
- The semester grade is calculated this way:
 - There will be NO semester tests
 - Each quarter is 50% of your semester grade.

Rules and Regulations (The LEGAL stuff):

- For classroom:
 - **ALL school rules apply!**
 - **Be respectful to EVERYONE! (Everything stems from this one rule)**
 - **Stay in your seats at the end of class until I dismiss. (No crowding the door)**
 - **No talking while teacher is talking or during tests/quizzes. (Raise hand!)**
 - **No cheating on tests or quizzes (You will get a permanent ZERO and be referred to office)**
 - **Keep hands to yourself. (Do I REALLY have to say this?)**
- Cell phone/electronics policy:
 - **All cell phones present in the room will be in Yondr pouches**
 - **Any phones found outside the pouches will be confiscated and given to the office, NO EXCEPTIONS**