

Physical Science
Parshall High School

Teacher: Ms. Sheirra Beja

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Course Description

Physical Science is the study of matter and energy and includes chemistry and physics. It is a basis for the further study of chemistry and physics. Labs or investigations are used to give students hands-on learning and practical applications as well as to teach the material. Topics that will be studied include: matter, the periodic table, elements, mixtures, compounds, chemical reactions, light and electromagnetic spectrum, energy, heat, motion, Newton's laws and momentum.

Physical Science is the study of matter and energy. This course will explore Chemistry, Astronomy, Earth Science and Physics. Alongside with lectures, laboratory works will be incorporated in every lesson to deepen the learning of students. This course seeks to prepare students for higher sciences that they will be taking up in their junior and senior year. The course will help students have a deeper understanding and appreciation of the physical world and its attributes.

Time Frame

Semester 1: August 17, 2023- December 20, 2023

Semester 2: January 3, 2024- May 17, 2024

Subject to change if needed

Semester 1	Quarter 1 Chapters 1. Measurement 11. The Chemical Elements 12. Chemical Bonding 13. Chemical Reactions 14. Organic Chemistry Quarter 2 Chapters 21. Structural Geology and Plate Tectonics 22. Minerals, Rocks, and Volcanoes 23. Surface Processes 24. Geologic Time
Semester 2	Quarter 3 Chapters 15. Place and Time 16. Solar System 17. Moons and Small Solar System Bodies 18. The Universe 19. The Atmosphere 20. Atmospheric Effects Quarter 4 Chapters

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| | 2. Motion
3. Force and Motion
4. Work and Energy
5. Temperature and Heat
6. Waves and Sound
7. Optics and Wave Effects
8. Electricity and Magnetism
9. Atomic Physics
10. Nuclear Physics |
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Grading

Quizzes will be given at the end or beginning of a class session and can range from 5-15 items depending on the topic. Quizzes can be announced or unannounced.

Chapter test will be administered at the end of every chapter and will have a maximum of 70 points regardless of the number of items.

Projects can either be individual or by group and will be given at the end of a chapter. Projects will have a maximum of 50 points.

Laboratory work will be done in between lectures or if there is a need, depending on the topic. Laboratory reports are needed to be submitted individually and must be turned in within the specified deadline. Laboratory reports are worth 25 points.

Make-up Tests/Work:

Make-up tests may be taken after school or during lunch by appointment. Students are responsible for making up all work missed due to an EXCUSED absence (with a slip from the office). Make-up work should be done not later than two days after the absence.

Plagiarism

Do not cheat, plagiarize, or copy work. Cheating is unacceptable. If I see you cheating on any assignment (even for another class) I will give you a zero and report the incident to the other teacher, as well as the administration. Plagiarism (copying work from another source without giving proper credit) is unacceptable. If you plagiarize on any assignment, you will earn a zero on that assignment with no opportunity to re-do the work for credit. When in doubt, cite! CHAT GPT IS PLAGIARISM.

LATE WORK POLICY

One day late - 90% credit
Two days late - 80% credit
Three days late - 70% credit
Four days late - 60% credit
5 or more days late - zero.

RULES INSIDE THE CLASSROOM

1. No eating and drinking (except for water)
2. Cellphones, smartwatches, earbuds/headphones are not allowed in my class. Place them in your assigned holder when you come to my class. Do not keep them on you.

3. Arrive to class on time and ready to learn. When the bell rings, you need to be sitting in your seat.
4. A laptop is permitted when it is needed. You will not be on a computer unnecessarily.
5. Raise your hand if you have a question or need to go to the bathroom
6. Don't miss the deadline
7. NO PROFANITY and BE RESPECTFUL

Failure to follow these rules will result to the following consequences

Consequences:

1st Offense: Warning

2nd Offense: Lunch Detention

3rd Offense: Call/Email Home

4th Offense: Office Referral

I have received a copy of Ms. Sheirra Beja's Course syllabus and classroom procedures, and have fully read and understood them.

Student name: _____

Student signature: _____

Parents/Guardians name: _____

Parents/Guardians signature: _____

Date signed: _____

Phone numbers where you can be reached during the day:

Student Home/Work/Cell: _____

Parents/Guardians Home/Work/Cell: _____