

**Physical Science Course - Chaviva High School**  
**2021-2022 School Year**

Teacher: Mrs. J. Ott

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***Course Description:***

Physical science introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion. A unified understanding of phenomena in physical, living, Earth and space systems is the culmination of all previously learned concepts related to chemistry, physics, and Earth and space science, along with historical perspective and mathematical reasoning (Ohio Learning Standards for Science). In this course students will be engaged, and encouraged to ask questions in order to ignite a passion for lifelong learning.

***Course Goals:***

- Students will gain a broad *understanding* of the basics of Physical Science. There will be minimal memorization.
- Students will learn and use the process of Scientific Inquiry throughout the year.
- Students will learn about the nature of science by learning how discoveries were made.

***Course Content***

- Matter and Atoms
- The Periodic Table of Elements
- Bonding and Chemical Reactions
- Nuclear Chemistry
- Conservation and Transfer of Energy
- Waves
- Thermal Energy
- Electricity
- Motion
- Forces

***Course Materials***

- Note taking supplies
- Calculator

***Classroom Expectations***

- Be sure that you are not disrupting your own learning or the learning of those around you.
- Talk to me. I am here to help you learn in any way I can. I have been where you are, and I will probably understand what you are going through better than you think.

### ***Grading***

<b>Attendance</b>	10%	
<b>Student Engagement</b>	5%	Points earned for being focused and on task, asking or answering questions, prepared with materials, respectful of teachers, and respectful of peers.
<b>Classwork</b>	15%	Assignments not finished in class will become homework.
<b>Quizzes</b>	5%	There will be a short quiz at the end of each lesson. This is designed to help you track your own progress as you learn as well as to review the concepts we learn.
<b>Projects &amp; Tests</b>	65%	

I look forward to an exciting year together. I hope you will learn to understand and enjoy Physical Science. If any extra assistance is needed, please contact me. I will be happy to assist you!