

Name _____

**Physical Science Course - Chaviva High School
2019-2020 School Year**

Teacher: Mrs. A. Belsky

Teacher email: abelsky@chavivahighschool.org

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, 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

Unit	Approximate Timetable	Chapter(s)
Matter and Atoms	September	2,3,4
The Periodic Table	October	5
Bonding and Chemical Reactions	November	6,7
Nuclear Chemistry	December	10
Motion	January	11
Forces	February	12
Energy	March	15
Thermal energy	March	16
Waves	April	17,18
Electricity	May	20

Course Materials

- Textbook (can be left in school, bring to class when asked)
- Note taking supplies
- Calculator

Grading

- Attendance - 10%
- Quizzes/Tests - 45 %

There will be a short quiz each lesson on the previous lesson. This is because Physical Science builds and it is important that you understand what was previously taught. There are no makeups for missed quizzes. The two lowest quiz grades will be dropped at the end of the semester.

Tests are designed to be a learning experience. Students are able to correct their returned exams, with a written explanation of their corrections, and receive partial credit for their work. In this way, students are able to revisit their misconceptions.

- Homework/Classwork - 30%
- Class Participation/Conduct - 15%

This will be graded daily.

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!



Why science teachers
should not be given
playground duty.