



### Course Description

Ever wonder why more massive objects require more force to move? Perhaps you have questioned how new substances are made or how energy is involved in changes in matter? These are some of the concepts students will be exploring in Physical Science. This course teaches the foundational concepts of physics and chemistry. Students will use scientific inquiry, interactive experiences, higher order thinking, collaborative projects, and virtual labs to build and demonstrate an understanding of physical and chemical phenomena enabling them to apply these principles to their everyday lives.

This is a yearlong course consisting of 6 units. Upon successful completion students will receive 1 credit towards high school graduation.

### Course Overview

Semester 1 Units:

Semester 2 Units:

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1. Motion

4. Classifying Matter

2. Electricity

5. Chemical Properties

3. Waves

6. Reactions

### Methods of Evaluation

Students will demonstrate mastery through the following formative and summative assessments:

- 40% Assignments
- 10% Participation (Discussion Posts, Live Classes)
- 10% Quizzes
- 25% Final Assessment
- 15% Unit Tests

### Additional Course Information

Detailed information regarding OC Online policies on proctored final exams, grading policy, late/missing assignment policy, weekly live sessions, course expectations, and additional school policies can be found on the website.