

**Course Name:** Environmental Chemistry

**Duration:**  1 Semester  Full Year

**Grade Level:**  9th  10th  11th  12th (check all that apply)

### Are there any prerequisites for the course?

There are no prerequisites for the course.

### WHAT this course is about:

Environmental Chemistry is a year-long science course devoted to investigating the processes and chemistry that has formed the Earth and made it a habitable planet. The course is designed to give students a tangible and simplistic understanding of the Earth's systems and processes.

### WHY take this course:

This course is for students who need a lab science but are not at a level in mathematics (algebra or above) to be successful in a traditional chemistry course. This course provides a student the opportunity to earn a lab science credit that is not currently on a STEM pathway for their HSBP. This class does not fulfill prerequisite(s) for higher level science classes.

### WHAT you'll learn:

- The formation of elements and planets in our solar system and galaxy.
- The processes of the earth's crust and its contents.
- The processes of the water cycle its impacts on Earth's populations and landscapes.
- The processes of Earth's atmosphere.
- Human pollution and its impacts on our planet.

### WHAT you'll do:

- Participate in hands-on science investigations from guided activities to inquiry investigations.
- Work collaboratively with others in a variety of thinking, processing, and hands-on activities.
- Use lab equipment to collect data and analyze results to develop models and form hypothesis.

### WHERE this could take you:

By completing the Environmental Chemistry course, you will have a better understanding of the world around you and how humans interact and survive on our planet. This class could lead you to a pathway towards Earth science, Chemistry, and Environmental Sciences.

**OPTIONAL Course Outline (“scope and sequence”, sequence chart, etc.)**

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