

## Chemistry Syllabus

### Course Description:

In this course, students will discover what chemistry is, and how it is used and found all around us. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: types of matter, atomic structure, chemical periodicity, chemical formula writing and naming, chemical equations. This course will also stress the important relationship between math and science while studying measurement, metric system and stoichiometry. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved. It follows the Chemistry 1 course. In the second semester, students will investigate chemical bonding, thermochemistry, and acids and bases. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: organic chemistry, biochemistry, and nuclear chemistry. This course will also stress the important relationship between math and science. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

### Additional Materials Required:

- None

### Student-Teacher Conferences:

Office Hours. Students can schedule up to three (3) Student-Teacher Conference over the duration of the course. These meetings are optional, and attendance will not affect your grade.

To schedule an office hour with your teacher to please visit the Student Resources page on [waonline.org](http://waonline.org).

### Washington Academy Grading Scale:

**A** = 100 - 93

**B** = 92 - 85

**C** = 84 - 76

**D** = 75 - 70

**F** = 69 or less

## Coursework Overview

### ○ ASSIGNMENTS



Assignments are completed by the student through fillable PDFs which they can fill-out, save to computer, then upload to in the Learning Management System. Assignments are typically found throughout the course(s) and can be opened by clicking the “**Activity**” button when prompted to do so. Assignments will be graded by your teacher.

### ○ ASSESSMENTS



Assessments, or Quizzes, are predominately computer graded and will test your knowledge of the content of each Section upon completion.

### ○ EXAMS



At the end of each Unit, Semester and the Course, you will need to complete an Exam.

### ○ PARTICIPATION



Participation grade is determined upon the completion of the “End of Course Survey.” Participation in Discussion boards or Office hours does NOT affect your grade.