

## Wallenpaupack Area School District

### Wallenpaupack Area High School

**Course Title:** Chemistry II

**Length of Course:** 90 Days ; 84 minutes per day - 1 credit

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#### **District Policies:**

##### ***Academic Integrity:***

Academic integrity is essential to the success of an educational community. Students are responsible for learning and upholding professional standards of research, writing, assessment, and ethics in their areas of study. Written or other work which students submit must be the product of their own efforts and must be consistent with appropriate standards of professional ethics. Academic dishonesty, which includes cheating, plagiarism, multiple submissions and other forms of dishonest or unethical behavior, is prohibited.

##### ***Assessment:***

The goal of grading is to report student progress and achievement to the parents to strengthen the home-school connection. The grade should accurately reflect the student's performance in mastering the PA Standards and the WASD curriculum.

##### ***Attendance:***

Regular school attendance is vitally important to academic success. Not only does attendance reinforce and enrich the learning process; it also establishes patterns and attitudes that will carry forward into adult work habits. Regular, consistent attendance is a prerequisite to successful school life. Children should be absent only in cases of illness or emergency.

##### ***Special Education:***

Our commitment to each student is to ensure a free appropriate public education which begins with the general education setting, with the use of Supplementary Aids and Services. Inclusive education describes the successful education of all students with the appropriate supports and services to participate in and benefit from the general classroom settings and other educational environments.

#### **Course Description:**

Chemistry II is a brief review of the topics covered in Chemistry I and more detailed study in the areas of stoichiometry, gases and gas laws, nuclear chemistry and organic chemistry. The course stresses skills and knowledge needed for first-level college chemistry.

#### **Pennsylvania State Standards:**

All WAHS courses are aligned to the PA State Standards and Common Core Standards, where applicable.

#### **Major Activities:**

- Supervised self-paced laboratory work in groups
- Group projects and individual projects
- Cooperative learning groups
- Board/Class demonstrations
- Biology text reading and review
- Guided practice and class work problems
- Homework
- Teacher-made chapter tests and quizzes
- Final Exam

#### **Student Responsibilities:**

##### ***Attendance expectations:***

See District Attendance Policy

##### ***Homework expectations:***

Homework is an important component and will be assigned when necessary. Homework will be checked on a regular basis. When homework is collected, it is due at the beginning of the period.

**Make-Up Work:**

Any missed work must be made up. You have the number of days you were absent from the day you return to make up the work. Any work not made up will be recorded as a "0". It is your responsibility to see your teacher about make up work on the day you return.

**Late Work:**

Homework will be accepted up to one day late for half credit.

**Assessment:****Grading Components:**

Each marking period grade will be determined through tests, quizzes, homework, drawings, laboratories, and projects. Every assessment and assignment will be worth various amounts of points. Your marking period grade will be based on the total points accumulated divided by the total possible points. Keep a record of your grades in your notebook.

**Quarter Grades:**

Class work = approximately 40%  
 Quizzes and Tests = approximately 40%  
 Homework = approximately 20%

**Final Exam:** The Final Exam is valued as 14% of the student's final average

**Content Pacing Guide:**

Topic	Major Assignments	Estimated Time
Review of Chemistry I Topics	Chemistry I Review Packet Single Replacement Reactions Lab Copper Cycle Lab Test Laboratory Notebook	12 blocks
Stoichiometry	Textbook Problems Iron Chemist Lab / Stoichiometry Lab Test Laboratory Notebook	6 blocks
Gases and Gas Laws	Textbook Problems Boyle's Law Lab Molar Volume of a Gas Lab Test Laboratory Notebook	14 blocks
Liquids and Solids	Textbook Problems Test Laboratory Notebook	4 blocks
Acid-Base Theory	Textbook Problems Titration Lab Quiz Test Laboratory Notebook	10 blocks
Organic Chemistry	Textbook Problems Synthesis of an Organic Compound Lab Hydrocarbons Lab Test Laboratory Notebook	30 blocks
Nuclear Chemistry	Textbook Problems Geiger Counter Measurement Lab Test Laboratory Notebook	8 blocks
Qualitative Analysis	Textbook Problems Test Laboratory Notebook	3 blocks

