



## AP Chemistry

**Course Description:** AP Chemistry will include laboratory work, demonstrations, discussion, and lecture dealing with the basic principles of chemistry. This class will culminate in the AP Chemistry examination which may be taken at the end of the school year at the student's expense. If students score high enough on this test, they may qualify for up to a year's worth of Chemistry from most colleges or universities.

**Attendance:** Students are required to be in school every day. Students are responsible for communicating with their teachers to make up missed learning.

### Essential Skills:

#### Skill 1: Investigating Practices

- Asking Questions (SEP 1)
- Planning & Carrying Out Investigations (SEP 3)
- Using Mathematical & Computational Thinking (SEP 5)

#### Skill 2: Sensemaking Practices

- Developing & Using Models (SEP 2)
- Analyzing & Interpreting Data (SEP 4)
- Constructing Explanations (SEP 6)

**Course Expectations:** Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)
2. Use morning time and the teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.

### Grading

**Learning (Practice)** includes instructional activities in and outside of class and are not used in grade determination.

**Skyward Assessment (Grades)** may include quizzes, labs, learning checks, tests, speeches, performances, and projects.

Final Grade	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

### **Calculations:**

Final Grade Calculation	
Cumulative Grade	<b>95%</b>
Final Exam(s)	<b>5%</b>

### **Central High School Courses:**

- Will determine grades based on student performance and growth.
- Will not include practice and behavior in grade determination.
- Will give all students regardless of absence an opportunity to demonstrate learning.
- Will not include extra credit.

### **Instructional Resources:**

- Textbook: Chemistry AP Edition by Chang, Goldsby
- <https://apclassroom.collegeboard.org/>

### **Course Calendar/Pacing:**

August/September							October							November						
		30	31	1	2	3	2	3	4	5	6	7	8			1	2	3	4	5
4	5	6	7	8	9	10	9	10	11	12	13	14	15	6	7	8	9	10	11	12
11	12	13	14	15	16	17	16	17	18	19	20	21	22	13	14	15	16	17	18	19
18	19	20	21	22	23	24	23	24	25	26	27	28	29	20	21	22	23	24	25	26
25	26	27	28	29	30		30	31						27	28	29	30			

December							January							February						
				1	2	3	1	2	3	4	5	6	7				1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30		29	30	31					26	27	28				
March							April							May/June						
			1	2	3	4	2	3	4	5	6	7	8		1	2	3	4	5	6
5	6	7	8	9	10	11	9	10	11	12	13	14	15	7	8	9	10	11	12	13
12	13	14	15	16	17	18	16	17	18	19	20	21	22	14	15	16	17	18	19	20
19	20	21	22	23	24	25	23	24	25	26	27	28	29	21	22	23	24	25	26	27
26	27	28	29	30	31									28	29	30	31	1	2	3
<b>Unit 1: Atomic Structure &amp; Properties</b>							<b>Unit 2: Molecular &amp; Ionic Compound Structure &amp; Properties</b>							<b>Unit 3: Intermolecular Forces &amp; Properties</b>						
<b>Unit 4: Chemical Reactions</b>							<b>Unit 5: Kinetics</b>							<b>Unit 6: Thermodynamics</b>						
<b>Unit 7: Equilibrium</b>							<b>Unit 8: Acids &amp; Bases</b>							<b>Unit 9: Applications of Thermodynamics</b>						
<b>Unit 10: AP Exam Prep &amp; Practice</b>							<b>AP Chemistry Exam</b>							<b>Additional Topics, Labs, Projects</b>						
							<b>Semester Exams</b>							<b>Professional Development</b>						