



Chemistry

Course Description: Chemistry is the study of the composition of matter and the changes matter undergoes. Chemistry provides the groundwork for understanding in all other branches of science. Students will establish comprehensive knowledge through many in-class activities, guided practice and labs. The course will establish a strong foundation for further study in all sciences.

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

Essential Skills:

The learning in this course is organized around four NGSS Science and Engineering Practices.

SEP 2 - Developing and Using Models

SEP 3 - Planning and Carrying Out Investigations

SEP 5 - Using Math and Computational Thinking

SEP 6 - Constructing Explanations

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.
4. Participate in laboratory exercises and follow guidelines from the Lab Safety Contract.

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	95%
Final Exam(s)	5%

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:

- Canvas
- periodicvideos.com(daily element videos)
- youtube (scientific videos)
- ck12 (makeup labs)

Course Calendar/Pacing:

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<p align="center">[Unit 6: Stoichiometry]</p>	<p align="center">[Unit 7: Chemical Reactions]</p>	<p align="center">[Unit 8: Acids & Bases]</p>
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<p align="center">[Unit 9: Solutions]</p>	<p align="center">[Unit 10: Nuclear Chemistry]</p>	<p align="center">Semester Review</p>
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		Expected Pacing
Unit 1 – Atomic Structure	5 weeks	Semester 1
Unit 2 – Electron Configuration	2 weeks	
Unit 3 – Periodic Table	3.5 weeks	
Unit 4 – Chemical Bonding	4 weeks	
Unit 5 – Mole	3.5 week	
Unit 6 – Stoichiometry	4 weeks	Semester 2
Unit 7 – Chemical Reactions	3 weeks	
Unit 8 – Acids & Bases	3 weeks	
Unit 9 – Solutions	3 weeks	
Unit 10 – Nuclear Chemistry	2.5 weeks	

****Keep in mind that everything is tentative and subject to change***