

# Chemistry Syllabus

Central Linn HS 2021-2022

## Instructor Information

| Instructor    | Email                               | Phone Number |
|---------------|-------------------------------------|--------------|
| Robert Cleary | robert.cleary@centrallinn.k12.or.us |              |

## General Information

### Course Schedule and Format

The focus of this course will be to educate students in the NGSS Science Standards with a focus on standards applying to Chemistry. The class will consist of a mixture of lectures, activities, labs, and assessments, as well as limited homework. Students can expect to use a mixture of virtual and physical activities.

### Course Outline

Chemistry will consist of 12 major units:

Introduction to Chemistry  
History of the Atom  
Electron Arrangements  
Periodic Table and Trends  
Ionic Compounds  
Covalent Compounds

Chemical Reactions  
Measurements and the Mole  
Stoichiometry and Heat  
Gas Laws  
Water and Aqueous Substances  
Radioactivity

## Expectations & Policies

### General Expectations

A respectful and welcoming classroom environment is vital to student success. Respect your classmates and teachers while others are talking, do not harass other students, and do your best to participate when appropriate. The class will be largely interactive, and student discourse is encouraged, but needs to be limited to appropriate times. Bullying and harassment of others will not be tolerated.

### Course Format

The class will usually start with a warmup question of some kind. This may be review or just a question for thought, but the idea is to get your brain in a science mindset. We will then move into the day's activities, which will either be lectures, activities, labs, or assessments. Generally, there will be one lab per week, but some units require a larger or smaller number of labs, depending on the material.

Homework will be assigned weekly. The assignment will be mostly conceptual and should take no more than an hour in total each week. Students who use class time effectively may be able to get their homework assignments done during class time. These assignments are meant to provide students an opportunity to reflect on their learning, so will be graded primarily on effort.

In-class assignments will differ depending on the day and will be graded on effort and completion.

Assessments will fit into two main categories: Labs and Written Tests. Not all labs will be counted as assessments, but most will. Written tests will be used to assess overall content knowledge, while labs will assess procedural skills and applications.

## Food & Drink Policy

Currently COVID protocols prohibit snacking inside the classroom. As soon as these protocols change the food and drink policy will be revisited. A personal water bottle is encouraged, though not during labs.

## Email Policy

Chemistry class can be a difficult topic, so students should try to ask for help whenever they need it. Ideally, students will use class time to ask questions as necessary. If you need to get ahold of me outside of class time, feel free to email whenever. I will try to respond to emails as quickly as possible, but it may take up to 48 hours. This could be extended during holidays and weekends. We do not currently have a phone system in the Middle School building, where I am located most of the day.

## Grading

### Evaluation Criteria

As with all High School Science classes, the grade for Chemistry will be based on a 100% scale that is weighted at 90% for assessments and 10% for practices.

### Grading Scale

Below is the grading rubric used by all classes taught at Central Linn High School for assessments:

Z = assessment was not submitted  
R = assessment was received and being graded  
0 = incomplete, not enough evidence to assess  
1 = does not yet meet standard/learning target

2 = nearly meets standard/learning target  
3 = meets standard/learning target  
4 = exceeds standard/learning target  
In this system, there is no "extra credit"

In order to display proficiency on a standard or learning target, a student must attain a 70% or better on the assigned assessment, which is equivalent to a traditional 'C' grade. The traditional 'D' grade will no longer be awarded to student work. If an assessment is below a 70% score, the student will have the opportunity to retake the assessment and get additional support from the classroom teacher or building support services. If all or most standards are not met with passing scores within a grading period, a student may earn an 'F'. However, if a student is making adequate progress toward proficiency and utilizing available resources, students may be assigned an 'incomplete', as decided by the teacher.

### Assessment Policies

Students will take assessments in class that show whether or not they have met the standards. If you do not meet or exceed the standard on an assessment, you will need to practice and retake another assessment. **Retakes will not take place during class time unless approved by the instructor.** Additionally, grades for every re-take of assessments will be entered into the gradebook until the standards have been met.

Students who share information or who leave the room without permission during a testing period will receive a failing grade on the assessment. They will be asked to take another assessment during a time arranged with the instructor, outside of class. Students must try all the problems on an assessment to receive a passing grade. Incomplete assessments will need to be re-taken.