



Chemistry 30
Mrs. Burzminski
Room 146

Google classroom code: Period 1: [5yvzn2rj](#) Period 4: [mjoy3weyw](#)

Teacher Email: brooklynburzminski@prrd8.ca

Come Prepared! Each student will be required to have a *pencil, notebook, scientific calculator* (phones not permitted), **composition notebook** and a charged device for each class.

Textbook: Chemistry (Alberta 20-30) - Nelson

Outcome Goals

Welcome to Chemistry 30! The goal of this course is to help students attain the level of scientific awareness that is essential for all citizens in a scientific society. It is used to challenge and help students make informed decisions with respect to science careers, and to be aware how chemistry is involved in issues of current interest.

Course Overview

1. Unit 1: Organic Chemistry 20%

Students will be introduced to nomenclature for hydrocarbons and hydrocarbon derivatives, and will gain a basic understanding of some of the organic reactions that are important to the people of the province of Alberta

2. Unit 2: Thermochemical Changes 20%

Students will study energy as it relates to chemical change, and quantify the energy involved in thermochemical systems. Calorimetry and Hess' Law will be central to the understanding of these concepts.

3. Unit 3: Electrochemistry and Cells 30%

Students will study that electrochemical reactions occur due to exchanges of electrons. Students will observe that there are many natural and technological systems that operate due to electrochemical reactions.

4. Unit 4: Equilibrium and Systems 30%

Systems, change and equilibrium are expanded to a quantitative treatment in reaction systems especially involving acids and bases. Students will apply stoichiometric methods to titration experiments to further explore indicators and are introduced to buffer systems.

5. Diploma ReviewAssessment

- Formative Assessment: Formative assessments occur during the learning process and provide feedback to the teacher and student on where and how to help improve learning. *Formative assessments are not for marks.*
- Summative Assessment: Summative assessments summarize learning and student achievement and occur after significant periods of learning (ie. a unit). Summative assessments are accumulated, weighted, and averaged to generate the student *grade.*

Grade Calculation

| | |
|-------------------------------|------------|
| Class Grade (70%) | |
| Assignments | 40% |
| Quizzes | 10% |
| Unit Tests (Cumulative Exams) | 50% |
| Total Grade (100%) | |
| Assignments | 28% |
| Quizzes | 7% |
| Unit Tests (Cumulative Exams) | 35% |
| Diploma | 30% |

Expectations

- Students are expected to *come to class on time and be prepared to work*. Be considerate!
- Food and drink is not permitted in the lab
- Office Hours: I can be available before school, during TAG, and after school. The best time to get help is during TAG.
- Failure to follow classroom routine will result in verbal warnings and detentions.
- If you have a concern, please talk to me. I will treat you with respect. I expect the same of you, and will not tolerate anything less.

Absences

It is important that assignments are completed by the given due date, to assist the teacher in providing the student with timely feedback to help them improve.

- If you are absent (sick, etc.) you must communicate with me and make arrangements for assignment completion. Google Classroom submission can be completed from any device on the due date. Hard copies can be handed in immediately upon your return.
- It is your responsibility to catch up on missed work, lessons, notes, etc. when you are absent - **be prepared and caught up when you return**.
- If an exam/quiz was given on the day of the absence, the students will be able to write if proper arrangements have been made. These are
 - Making prior arrangements with the teacher before the exam
 - The absence was for a legitimate reason and was verified through the office
 - School activity causes the absence and the student has notified the teacher *before* the activity has taken place
- If proper arrangements are made, the student will write the exam on the *day of return*
- Exam/quiz absences will be required to be written OUTSIDE of class time (spare, lunch, after school)
- ★ Make up assignments & rewrites will **not** be an option in this course. If you work diligently the first time, there will be no need for end of semester extra credit requests.

Cell Phone/Headphone Policy

In order to create a distraction free environment in which students are able to learn to their best capacity, Prairie Rose School Division has developed procedures (in regards to the New Ministerial Order) for the use of personal mobile devices in the classroom. During class time **personal devices (i.e. cell phones) are expected to be powered down and in your bag or locker at all times.** Headphones are not to be used during class time, unless otherwise instructed. These policies are in place to keep our classroom a place of learning and to remain respectful of others' learning as well.

Respect and Integrity

Our classroom is to be a safe and comfortable space for everyone. You are expected to behave respectfully and with integrity. This includes respect for others, yourself, the classroom, and supplies. In turn, you will be respected and trusted by others.

Put downs of any kind to yourself or others, derogatory language, and disrespectful actions and attitudes will NOT be tolerated.