



# Course Outline: Chemistry 12

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## Content

This course follows the Chemistry 12 curriculum, as outlined by the Ministry of Education:

<https://curriculum.gov.bc.ca/curriculum/science/12/chemistry>

The content covers five Big Ideas:

- Reactants must collide to react, and the reaction rate is dependent on the surrounding conditions.
- Dynamic equilibrium can be shifted by changes to the surrounding conditions.
- Saturated solutions are systems in equilibrium.
- Acid or base strength depends on the degree of ion dissociation.
- Oxidation and reduction are complementary processes that involve the gain or loss of electrons.

## Resource Materials

- For this course I use the BC Science Chemistry 12 workbook.
  - Students can purchase a copy from the school, through me, ***if they choose***.
  - Students who do not purchase a copy can access a digital version through my website.
- I use MS Teams for student communication. Within Teams, students can access:
  - links to my website and other electronic resources
  - OneNote pages for homework questions
  - the chat for quick and easy messaging

## Assessment

- Students' final grades will reflect how well they have met the curricular outcomes and will incorporate formal, numerical assessments and informal, non-numerical observations.
  - They will represent what students know, are able to do, and are working toward.
- Assessment methods ***may*** include, but are not limited to:
  - Participation in, and contributions to, class discussions
  - Individual tasks, group work, and student self-assessments
  - Chapter tests and lesson quizzes
  - Projects and lab activities
- While I reserve the right to change this distribution to best determine the formal part of students' learning, my intended weighting of numerical results is:

Chapter tests: 50%

Quizzes: 15%

Activities: 15%

Final exam: 20%

## Policies & Procedures

- I expect students to:
  - follow the safety rules discussed in class
  - demonstrate respectful, ethical, responsible, and cooperative behaviour
  - come to class, **on time**, with all the necessary supplies
- Students who do not demonstrate enough acceptable evidence of learning throughout the course will receive an **“Insufficient Evidence”** or **“IE”** grade, communicated directly to parents.
  - This will indicate the student is in danger of receiving a failing grade for the course unless their process and results improve.
- I use quizzes and activities as **formative** assessment, helping to track and communicate students’ understanding while topics are in progress.
  - I mark quizzes immediately and return them to students at the first opportunity.
    - When a student misses a quiz, they should arrange an alternate time with me as soon as possible
      - If they do not before I am ready to return them, I will give them a blank copy for their studies, and mark them absent (excused).
- I use tests and projects as **summative** assessment, informing me of students’ understanding at the completion of a topic.
  - Therefore, students must complete any missed test and all assigned projects.

**If a student does not arrange an alternate time with me, I will have them write the missed test the first time they return to class.**

- I will refer any students I catch cheating to their grade administrator and will notify their parents.
- I collect cell phones at the beginning of class, store them securely, and return them at the end.
  - Use of electronic devices, including phones, wireless headphones, smart watches, etc., is not permitted in class, **unless I give explicit permission first.**
- Missing classes for any reason impacts students’ learning and my assessment.
  - Students who miss class, whether excused or unexcused, have the sole responsibility to obtain and complete any missed work, assessment, or assignment.
    - MS Teams is a simple way to communicate with me and to find resources.
  - Students absent for school-related activities (e.g., field trips, work experience, sports, etc.), must speak with me **in advance** to learn what topics they will miss.
    - **Family vacations are not an excused absence, and I am not required to make special arrangements or to create extra work.**
      - Students must complete any missed assessments before their absence, or at the first opportunity afterwards, in consultation with me.
  - I will refer repeated absences and/or lates to the grade administrator for follow-up.

If you have any questions or comments, please reach out through email.

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