



Archbishop MacDonald Catholic High School

Course Chemistry 20

Year 2025-2026

Term Semester 2

Teacher(s) Mr. Cavaliere
Room 216

Resources Chemistry (Nelson) Textbook
Laboratory Manual – Chemistry (Nelson)
Chemistry 20 SNAP book
Teacher handouts and notes
Selected reading and articles

Program of Studies Chemistry 20/30 link

Overview

Course Outline

1. Review, Elements and Compounds, Chapter 1 (1w) Unit A
2. Chemical Reactions, Chapter 2 (1w) Unit A
3. Understanding Chemical Compounds, Chapter 3 (2.5w) Unit A
4. Gases, Chapter 4 (1.5w) Unit B
5. Stoichiometry, Chapter 7 (2.5w) Unit D
6. The Nature & Properties of Solutions, Chapter 5 (2w) Unit C
7. Acids & Bases, Chapter 6 (1.5w) Unit C
8. Chemical Analysis, Chapter 8 (1w) Unit D

IB Philosophy

MAC's courses use the IB philosophy to encourage the holistic development of all students. The Learner Profile and Approaches to Teaching and Learning are used at all



levels so that students develop a better understanding of curriculum objectives. This course will focus on the Learner Profile for THINKERS because we use critical and creative thinking skills to act on complex problems. Our Approaches to Learning skill will be THINKING because we emphasize skills such as reflection and critical thinking.

Assessment

Course Evaluation

A cumulative marking system based on Total Points and Weighted Categories will be used.

For Mr. Cavaliere's Chemistry 20 classes the Final Grade is based on the total raw score points that are determined by the scale factor for each task and placed in the appropriate weighted categories for Final Grade calculation.

Unit A – 15%

Unit B – 15%

Unit C – 25%

Unit D – 25%

ECSD Common Assessment – 20% of Final grade

The code NHI may be used to represent coursework that has not been handed in. It is representative of a zero. In addition, the following may appear for a student in PowerSchool instead of, or in addition to, a numeric grade:



Disclaimer

A wide range of assessment information is used in the development of a student's final grade. At Archbishop Macdonald Catholic High School, individualized assessments provide specific information regarding student progress and overall performance in class. Student assessment may vary from student to student to adapt for differences in student needs, learning styles, preferences, and paces. It should also be noted that not all assignments are used to determine the final grade, and that scale factors may have been used to determine the weight of individual assignments.

Personal Mobile Device Standards

Mobile Devices and Social Media Use:

- Personal mobile devices are to be silenced or turned off and stored in the student's assigned locker during the day, which must be locked.
- No personal mobile devices are to be used during the day except for at lunch.
- No social media is to be accessed during the school day.
- The standards for Personal Mobile Devices includes cell phones, SMART watches, earbuds, and headphones

- Non-compliance with the standards will result in consequences of a suspension or loss of privileges such as participation in school trips, or activities, sports teams, and extracurricular activities.

Laboratory Safety Standard

Science at Archbishop MacDonald is a hands-on, skill-based discipline involving activities that may entail risk. Safety in the laboratory takes precedence over all instructional concerns. To ensure your safety and the safety of others, the following laboratory safety standard is always in effect:

1. Conduct must be professional. Counter-sitting, throwing, playing, pranking, and unsanctioned experiments are prohibited.
2. Footwear must completely cover the foot. Sandals, slides, and/or clogs are prohibited.
3. Food and/or drink are prohibited.

There is a **zero-tolerance policy** for violations of the safety standards; failure to comply with these standards will result in immediate exclusion from the lab activity. Additional safety measures that are activity dependent may also be required.

Expectations

Unexcused absences and/or lates are unacceptable and may have a negative effect on the grade. Missed coursework may be expected to be completed and may be scored as zero or NHI until submitted (see disclaimer).

Teacher Expectations:

1. Students are expected to be punctual to class and any bathroom activities done before class not during.
2. Regular attendance is important; however should you be absent please submit a note and obtain an admit slip from Student Services. Otherwise, it will be considered an unexcused absence and could affect your grade.
3. Materials required for class should be brought to all lessons.
4. Notebooks are to be kept up to date and in presentable condition, since they are records required throughout the entire year. Assignment checks for marks will be done periodically at random.
5. It is the student's responsibility to maintain and update any notes or assignments following any absence.
6. Attendance at scheduled examinations is mandatory. In the event of an excused absence the teacher will determine if and when the remake test is to be administered.
7. Students on special projects by other teachers must have written permission by the set deadline. Marks may be subtracted for late submission.

8. Assignments such as reports, labs, projects, etc. should be submitted by the set deadline. Marks may be subtracted for late submissions.
9. During classroom exams always bring course materials just in case of early completion.
10. During examinations your answer sheets should be kept in the center of the desk to prevent any sharing of information.
11. Before an examination is distributed your desk should be clear of any unnecessary materials. Test booklets, answers sheets, data booklets, and scrap paper should be handed back. There should be no passing around of any materials or calculators during the examination.

Student Handbook [LINK](#)

Academic Integrity [LINK](#)