



Archbishop MacDonald Catholic High School

Course	Chemistry 30
Year	2025 - 2026
Term	Semester 2
Teacher(s)	James Kriese, Eunice Symak-Tobychuk
Resources	<i>Chemistry Alberta 20-30, Jenkins et-al, Nelson Education, 2007</i>
Program of Studies	<u>Chemistry Program of Studies</u>
Overview	<p>A. Thermochemical Changes (20%) <i>Students will study energy as it relates to chemical changes and quantify the energy involved in thermochemical systems and consider the various aspects of energy use in society.</i></p> <p>B. Electrochemical Changes (30%) <i>Students will study electrochemical change and analyze the matter and energy changes within a chemical system.</i></p> <p>C. Chemical Changes of Organic Compounds (20%) <i>Students will learn about common organic compounds and describe their properties and reactions. The significance of organic chemistry, in the context of technological applications and quality of life, is explored.</i></p> <p>D. Chemical Equilibrium Focusing on Acid-Base Systems (30%)</p>

Students will explore the concept that chemical change eventually attains equilibrium is developed, followed by a focus on the quantitative treatment of reaction systems involving acid-base solutions.

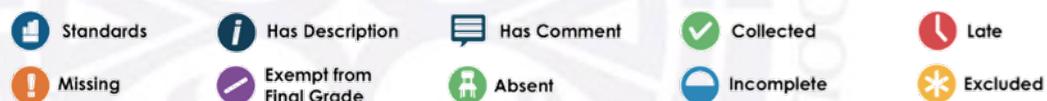
IB Philosophy

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

Unit A – Thermochemical Changes	20%
Unit B – Electrochemical Changes	30%
Unit C – Chemical Changes of Organic Compounds	20%
Unit D – Chemical Equilibrium Focussing on Acid-Base Systems	30%
Formative Assessments	0%

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.

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).

Student Handbook

[LINK](#)

Academic Integrity

[LINK](#)