



# Chemistry 12

## COURSE OUTLINE

### Overview

This Chemistry 12 course fully meets the learning outcomes for the new BC Curriculum.

This engaging and easy to navigate course was designed to help students reach their full potential in Secondary Science. Each lesson contains carefully selected practice problems and extra resources.

Online lessons are video-based, and students have complete control over the pace at which they learn—lessons can be paused, resumed and repeated using simple navigation buttons. Examples are interactive with animated step-by-step flash and video whiteboard solutions. Extra resources, including alternate lessons and examples, have been carefully selected to assist students who need additional instruction.

**Prerequisites:** Successful completion of Chemistry 11 is recommended

### Course Content

Unit	Topic
1	Reaction Rates
2	Reaction Energies
3	Equilibrium
4	Solubility
Midterm Exam	
5	Acids and Bases
6	Acids and Base Calculations
7	Redox Reactions
8	Redox Cells
Final Exam	

## Course Materials

No textbook is required. Course content is delivered on our D2L/Brightspace platform by videos, online links, and associated worksheets.

A scientific calculator is required and should be brought to the test center when writing exams.

You should print out the formula sheet package from the first page of the D2L/Brightspace course. The package contains a periodic table, a list of names, symbols, and atomic masses and numbers of elements, and a list of common ions with their charges. **You must ensure that there is NO writing on these formula sheets when you bring them into the testing centers for exams.** If there is writing on these formula sheets, you WILL NOT be able to use them during your exam.

## Additional Websites

For review and enrichment, there are outstanding Chemistry videos and assignments on the website: [Khan Academy](#)

Information about the British Columbia Chemistry 12 curriculum:  
<https://curriculum.gov.bc.ca/curriculum/science/12/chemistry>

## Assessment Information

Item	Weight
Learning Guides	10 %
Projects	15 %
Practice Exams	5%
Unit Exams	20 %
Midterm Exams	20 %
Final Exams	30 %

## Learning Guides and Projects

Please print out and complete the learning guide and one project from each unit. The learning guide can be completed as you work through the lessons and the projects are applications which reinforce concepts introduced in the unit. After completing, please scan your work in PDF format and submit the learning guide and project on D2L/Brightspace in the submission boxes at the end of the unit.

**You must submit both the learning guide and accompanying project for each unit prior to writing the unit exam.**

## Practice Exams

When you have completed the lessons, the learning guide, and a project for a unit, you should complete the practice exam for the unit. You can complete the practice exams without supervision.

## **Unit Exams**

When you have completed the practice exam for a unit, you should sign up for a unit exam. The unit exams are password protected and must be written at one of the three test centers (North Delta, Delta Secondary, or South Delta Secondary).

To book a test or to check the hours of operation of the test centers, please refer to the following website:  
<https://www.deltaaccess.ca/book-a-test/>

## **Midterm and Final Exams**

After you have completed Unit 4, you should sign up for the Midterm Exam. This exam will cover all the material from Units 1 to 4. You should allow two hours to complete this exam.

The Final Exam can be written after you complete the rest of the course. This exam will cover material from the entire course, so you should study questions from all your practice and unit exams, as well as from your Midterm to prepare. You should also allow two hours to complete the Final Exam.

As with the unit exams, the Midterm and Final Exams are also password protected and must be booked from the Delta Access website and written at a Test Center.

## **Reporting**

### **Report Cards:**

These will be issued throughout the year to meet the needs of post-secondary admissions. Students needing marks for post-secondary must complete the course within the guidelines provided by teachers so their marks are uploaded for transcripts.

These reports are available for Delta School District students on our student management system. For those not attending one of our high schools, please call our Continuing Education office 604-940-5550 to receive a copy.

In order to be active and get a term report card, you must complete the learning guide, a project, the practice test, and the unit test from the first unit.

Only students who have done enough work to meet the activity requirement for the course will get report cards by the term deadlines outlined by their teachers. Even if you are getting progress reports you are not considered an active (official student) until this is met.

## Plagiarism

### **Plagiarism and Academic Dishonesty**

*Plagiarism is the unauthorized use or close imitation of the language and thoughts of another author and the representation of them as one's own original work, as by not crediting the author* (Dictionary.com) <http://dictionary.reference.com/browse/plagiarism>

Plagiarism can be done either intentionally or accidentally. Regardless, it is an academic offence that carries with it varying levels of consequences – from a mark of zero for work submitted to expulsion from the course and/or on-line program. Plagiarism takes various forms: copying another's work, not citing another's original work, cutting and pasting from the internet and claiming the work as your own, allowing other students to copy and submit your work as their own, and so on. It is YOUR RESPONSIBILITY to be aware of the rules around using and citing other people's work.

An excellent website that answers questions about plagiarism can be found at:

<http://www.plagiarism.org/>

<http://www.grammarly.com/>

<http://www.englishclub.com/writing/plagiarism.htm>

<http://australianhelp.com/plagiarism>

If you are uncertain as to whether you may be plagiarizing someone's work, check with your teacher or consult the many websites that outline the rules.

If a student is found to have submitted plagiarized work, the Delta Access teacher will notify both the student and Delta Access administration to document the violation and to determine further consequences. Repeated occurrences of plagiarism will likely result in a final mark of "Failure" in the specific on-line course.

## Keys to Success

1. Actively work through each lesson, trying each example and reflecting on new material.
2. Use the Learning Guide as a tool for documenting your understanding. Make sure it is neat and well-organized, so that your understanding will be clear.
3. Keep up with the suggested timeline for course completion.
4. If you have any questions from the lessons, Learning Guides, Projects, Practice Exams, or Unit Exams, get assistance immediately. You can contact me any time at the email provided below.

## Contacting your Teacher

You can email me anytime at [etsou@deltaschools.ca](mailto:etsou@deltaschools.ca)