



Delta School District

Inspired Learning

Delta Access Online Learning School

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: Chemistry 11 with a minimum recommended mark of C+

Course Content and Timelines

The timelines suggested are based on a 10-month fall course September to June. Timelines should be adjusted based on each student's situation.

Unit 1: Reaction Rates (**complete by the end of September**)

Unit 2: Reaction Energies (**Complete by the end of October**)

Unit 3: Equilibrium (**Complete by the end of November**)

Unit 4: Solubility (**Complete by the middle of January**)

Midterm Exam: (**Covers materials from units 1 to 4**)

Unit 5: Acids and Bases (**Complete by the middle of February**)

Unit 6: Acid and Base Calculations (**Complete by the end of Spring Break**)

Unit 7: Redox Reactions (**Complete by the end of April**)

Unit 8: Redox Cells (Complete by the beginning of June)

Final Exam: Must write before June 14 (Review unit 1 to unit 8)

Course Materials

No textbook is required. Course content is delivered on our Moodle 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 moodle 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 will receive a copy of the formula sheet package when you write your exams.

Additional Websites

Mathematics and Educational Websites that may help students:

Also 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

Learning Guides	10 %
Projects	15 %
Practice Exams	10 %
Unit Exams	30 %
Midterm Exam (after unit 4)	15 %
Final Exam	20 %

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 moodle in the submission box at the end of the unit.

The Learning Guide and Projects, and the submission boxes for them for each unit can be found by clicking on the links on the menu bar on the first page of the course on moodle, as shown below:


 [U1 Learning Guide](#) [Click here to print out the learning guide](#)

 1.1 Math in Science (Review)

 1.2 Reaction Kinetics

 1.3 Reaction Rates

 [U1 Project List](#) [Click here to find and print out the projects](#)

 U1 Group Activities

Hidden from students

Submit your LG & Projects below (note sub)

 [U1 Learning Guide](#) [These are the submission boxes for the Project and Learning Guide](#)

 [U1 Projects](#)

When finished everything above, prepare for

 U1 Practice Exam

 U1 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, and you can rewrite them to improve your grade.

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 are available by the Book a Test? link on the Delta Access website, www.deltaaccess.ca.

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, and uses the same test bank as the Practice Exams and Unit Exams, so you should study these to prepare for the Midterm. 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

Bi-Weekly Progress Reports:

These will be sent to both students and parents through Moodle. These reports are sent via email and are based on information provided on course introduction forms filled out. Please make sure your Moodle profile is up to date with this information to ensure these are received. If you need assistance with this, please contact me at etsou@deltaschools.ca to help you make sure you are getting these reports.

Report Cards:

These will be issued for the first time in late November, January, March, June and early August 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.

Course reports are based on only what has been submitted for the Fall until April 1. After April 1, all missing assignments will count with zero marks grade calculations giving students a realistic picture of current course progress. It is important when viewing report cards and progress reports up until this point that the amount of the course completed is taken into consideration. (ie. 90% standing in a course that is only 10% complete is very different than 90% in a course that is 80% complete).

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