



Grand River Collegiate Institute COURSE OUTLINE

For students and their families.

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| Course Name Chemistry, Grade 11, University Preparation Curriculum Document http://www.edu.gov.on.ca/eng/curriculum/secondary/ | Course Code SCH 3U | Prerequisite SNC 2DI |
| Teacher: Ms. Williamson | Contact: 519-576-5100 ext.77741292 | |
| Course Website: www.mswilliamsonscience.weebly.com | | |

Textbook Nelson Chemistry 11 (Replacement Cost: \$99.95)

Course Description:

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

Essential Learnings/Expectations/Skills - To be successful in this course students **must** demonstrate their learning of the following big ideas:

- Describe chemical processes and their impact on society, health and the environment.
- Investigate the qualitative and quantitative nature of various types of matter.
- Analyze the physical and chemical properties of various substances.
- Use the scientific method to conduct an experiment, collect and analyze data and write a lab report, making valid conclusions.

Strands:

Strand A: Matter, Chemical Trends, Chemical Bonding
Strand B: Chemical Reactions
Strand C: Quantities in Chemical Reactions
Strand D: Solutions and Solubility
Strand E: Gases and Atmospheric Chemistry

EVALUATION: Evidence of Learning

Formative Assessment:

There will be many ongoing formative assessments throughout the course. Formative assessments serve as practice for students prior to being evaluated (summative assessment). The ongoing feedback helps students to recognize their strengths and weaknesses and provides information to the teacher regarding next steps for the student's learning. In the case where, due to extenuating circumstances, a student has been unable to complete a summative assessment, formative assessments may be used as additional evidence to support the teacher's professional judgment when determining a final grade.

Summative Assessment:

Summative assessment will occur near the end of the unit/instruction and demonstrates the student's knowledge for the purpose of evaluation and reporting. These assessments will be included in the mark shown on the student's report card.

The types of formative and summative assessments are outlined below:

| Final Grade | |
|--|------|
| Term Work | |
| • Tests | 45 % |
| • Laboratory Reports, Projects and Assignments | 25 % |
| Final Written Exam – 2 Hour Exam | 30 % |

Refer to the GRCI Web Site www.grc.wrdsb.ca for Assessment, Evaluation and Reporting Policies as well as Academic Honesty and Late Policies.

Procedures

Late and Missing Assignments: It is important for students to develop good personal management skills (such as time management and planning). These skills will be reflected in the **learning skills** area of the report card. It is expected that students will complete and submit all essential tasks as they are the opportunity for you to demonstrate your learning to your teacher.

Attendance: Attendance in classes is an important part of learning, and absences should be avoided. When a student is absent, a parent/guardian must call the school's attendance line on the date of absence, or provide a note explaining the absence for the student to submit the following day. Students are responsible for what they missed during their absence.

Cheating and Plagiarism: It is important for students to do their own best work. Most assignments for this class are done within the classroom, observed by the teacher, and this helps to minimize the chances of cheating and plagiarism. In the event that cheating or plagiarism occurs, the following consequences may be implemented, in consultation with administration, depending on the situation:

1. The student may be required to redo all or part of the assignment or assessment.
2. The student may be required to complete an alternate assignment or assessment.
3. The student's work may be treated as a missed assignment.

There may also be other consequences that are determined to be appropriate (e.g. detention, suspension, etc.) as per the school's progressive discipline process. Parents/guardians will be informed about the infraction and the consequences.

Missed Tests: Students missing a scheduled test will be expected to write a makeup test at a time determined by the teacher; it could be written the day the student returns to school or some time later (to give the teacher adequate time to create a makeup test). Once marked and viewed by the student, the teacher may ask the student to return the makeup test. In this case, a blank copy of the original test will be provided to the student so that it can be used as a resource for exam preparation. To avoid any uncertainty, it is strongly recommended that absences be arranged with the teacher ahead of time whenever possible.

Please refer to the school website: <http://grc.wrdsb.ca/about/policies> for more details on these policies and other academic procedures.

Signatures

Please sign below indicating you have read and understand the requirements for successful completion of this course.

Student Name

Parent/Guardian Name

Student Signature

Parent/Guardian Signature

Date

Date

Daytime phone number

Email address