

Course Outline: SCH 3U1 Summer eClass 2019

Course : Grade 11 University Chemistry

Course Code: SCH 3U1

Teacher: Mrs. Ada Esonwanne

Contact Information

adaobi.esonwanne@tcdsb.org

esonwaa@tcdsb.mail.elearningontario.ca

Course Description

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical relations 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.

Assessment and Evaluations

Students will be provided with numerous and varied opportunities to demonstrate the full extent of their achievement of the curriculum expectations. Students will be assessed on their knowledge and understanding, thinking, communication and application skills. Assessments will be both formative and summative and will be in the form of assignments, research assignments, lab reports, quizzes and tests. Each unit will conclude with a summative unit test. The culminating activity consists of a written final examination. As required by the Ministry of Education, students will be assessed in the four areas of the achievement chart. The chart below provides suggested percentages for each category.

Assessment Category	Percentage
Knowledge and Understanding	30
Thinking and Inquiry	30
Communication	20
Application	20

Final Grade

The final grade will be determined as follows (in accordance with Ministry of Education standards):

Term Work Based on evaluations conducted throughout the course.	70 %
Summative Evaluation A final evaluation in the form of an exam.	30 %

*Unless otherwise indicated, all assignments will be submitted using the dropbox for that assignment.

** Students must comply with the TCDSB's [Code of Online Conduct](#)

Learning Skills

The following Learning Skills rubric can be used by online teachers when assessing Learning Skills:

Criteria	Needs Improvement	Satisfactory	Good	Excellent
Works Independently	Needs repeated directions to clarify and begin assignments	Needs some directions to clarify and begin assignments	Rarely needs directions to clarify and begin assignments	Does not need directions to clarify or begin assignments
Teamwork	Rarely demonstrates participation with classmates by attending or reading chats and threaded discussions	Sometimes demonstrates participation with classmates by attending or reading chats and threaded discussions	Often demonstrates participation with classmates by attending or reading chats and threaded discussions	Consistently demonstrates participation with classmates by attending or reading chats and threaded discussions
Organization	Limited organization and time management skills Does not meet deadlines	Some organization and time management skills Sometimes meets deadlines	Good organization and time management skills Frequently meets deadlines	Exemplary organization and time management skills Consistently meets deadlines

Work Habits/ Homework	Homework is frequently incomplete No motivation evident	Homework is occasionally complete Some motivation evident	Homework is regularly complete Considerable motivation evident	Homework is always complete Highly motivated
Initiative	Rarely extends thinking beyond material presented	Sometimes extends thinking beyond material presented	Often extends thinking beyond material presented	Consistently extends thinking beyond material presented

To promote student success, ongoing formative assessment and feedback will be given to students. As required by the Ministry of Education, students will be assessed in the four areas of the achievement chart. The chart below provides percentages for each category. All evaluations are expected on the **due date**, however, they will be also accepted up and until the **ultimate due date**. Submission after the ultimate due date results in a mark of **zero**.

Evaluation Dates

Unit	Activities	Due Date	Ultimate Due Date
Orientation	Introduce Yourself Online	July 3, 2019	July 7, 2019
Unit 1: Matter, Chemical Trends and Chemical Bonding	Activity 1: Assignment: Antifreeze Activity 2 Activity 3: Assignment: Periodic Trends Activity 4 Activity 5: Nomenclature	July 10, 2019	July 12, 2019
Unit 2: Chemical Reactions	Activity 1 Activity 2: Assignment 1: Balancing Equations Activity 3 Activity 4: Unit Questions Assignment	July 12, 2019	July 14, 2019
Midterm Activity	Midterm Exam	July 12, 2019	July 12, 2019

Unit 3: Quantities in Chemical Reactions	Activity 1 Activity 2: Assignment: The Mole Calculations Activity 3: Assignment: Complete worksheet: Percent Composition + Empirical and Molecular Formulas Activity 4 Activity 5: Unit Quiz	July 18, 2019	July 21, 2019
Unit 4: Solutions and Solubility	Activity 1 Activity 2: Assignment: Titration Lab	July 23, 2019	July 25, 2019
Unit 5: Gases and Atmospheric Chemistry	Activity 1: Assignment 3: Canadian Scientists Activity 2 Activity 4: Unit Review Questions	July 26, 2019	July 28, 2019
Culminating Activity	Final Exam	July 27, 2019	July 27, 2019

Mark Breakdown

Assignments (Dropbox and Direct Link)	60 %
Midterm Exam	10 %
Final Exam	30 %
Total	100 %