Toronto Central Academy (TCA)

Unit /Assessment Plan for SCH3U

Teacher's Name: **FAUZIA AKHTER**

COURSE TITLE:GRADE 11 CHEMISTRY
https://www.creativebookpublishing.ca/books/McGraw-Hill-Ryerson-Chemistry-11.pdf

Time hours	Unit Title	Topics	Overall expectations	Accommodation for ELL	Assessment Evaluation*
Jan 4-5, 2022 and Throughout all units =6 hrs	**SCIENTIFIC INVESTIGATION SKILLS AND CAREER EXPLORATION**	• **Virtual Lab#1. (Unit#1)** • **Virtual Lab#2. (Unit#2)** • **Virtual Lab#3. (Unit#3)** • **Virtual Lab#4 (Unit#4)** • **Virtual Lab#5 (Unit#4)** **PPT presentation **(All units)**	A1. demonstrate scientific investigation skills (related to both inquiry and research) in the four areas of skills (initiating and planning, performing and recording, analysing and interpreting, and communicating); A2. identify and describe careers related to the fields of science under study, and describe the contributions of scientists, including Canadians, to those fields.	provide glossary list and related resources handout	Lab work sheet; team work; Class participation; Q/A; class discussion **WHMIS quiz**
Jan 6-14, 2022 (6 classes and 1 labs) **=21 hours**	**UNIT 1 - MATTER, CHEMICAL TRENDS, AND CHEMICAL BONDING (# 21HRS)**	➢ Ch#1 Observing Matter ➢ Ch#2 Elements and the Periodic Table ➢ Ch#3 Chemical Compounds and Bonding	B1. analyse the properties of commonly used chemical substances and their effects on human health and the environment, and propose ways to lessen their impact; B2. investigate the physical and chemical properties of elements and compounds, and use various methods to visually represent them; B3. demonstrate an understanding of periodic trends in the periodic table and how elements combine to form chemical bonds.	provide glossary list and related resources handout/formula sheet	Poster: Atomic Model History Timeline Assignment: Periodic Trend · Quiz: Periodic Trend · Quiz: Chemical Naming · Unit 1 Online quiz · Unit 1 project: Physical

					properties of regular Plastic and bio-plastic
Jan 17-24, 2022 (4 classes and 2 labs) **=18 hours**	**UNIT 2 - CHEMICAL REACTIONS (#21 HRS)**	➢ Ch#4 Classifying Reactions: Chemicals in Balance	C1. analyse chemical reactions used in a variety of applications, and assess their impact on society and the environment; C2. investigate different types of chemical reactions; C3. demonstrate an understanding of the different types of chemical reactions.	provide glossary list and related resources handout/formula sheet	CW; HW; Lab work; **Unit#2 Online Quiz** **Unit test#2 TEST** Unit#2 Test-: Chemical Reactions Chapter 5 Presentation: Application of Chemical Reactions
Jan 25-Feb 3, 2022 (6 classes and 1 labs; **=21 hours**	**UNIT 3 - QUANTITIES IN CHEMICAL REACTIONS (#21 HRS)**	➢ Ch#5 Counting Atoms and Molecules: The Mole ➢ Ch# 6 Chemical Proportions in Compounds ➢ Ch# 7 Quantities in Chemical Reactions	D1. analyse processes in the home, the workplace, and the environmental sector that use chemical quantities and calculations, and assess the importance of quantitative accuracy in industrial chemical processes D2. investigate quantitative relationships in chemical reactions, and solve related problems; D3. demonstrate an understanding of the mole concept and its significance to the quantitative analysis of chemical reactions.	provide glossary list and related resources handout/formula sheet	CW; HW; Lab work; **Unit#3 Online Quiz** **Unit test#3 TEST**
Feb 4-11, 2022 (5 classes and 1 lab) **= 18 hours**	**UNIT 4 - SOLUTIONS AND SOLUBILITY (# 21HRS) (CH#8-10)**	➢ Ch#8 Solutions and Their Concentrations ➢ Ch#9 Aqueous Solutions ➢ Ch#10 Acids and Bases	E1. analyse the origins and effects of water pollution, and a variety of economic, social, and environmental issues related to drinking water; E2. investigate qualitative and quantitative properties of solutions, and solve related problems; E3. demonstrate an understanding of qualitative and quantitative properties of solutions.	provide glossary list and related resources handout/formula sheet	CW; HW; Lab work; **Unit#4 Online Quiz** **Unit test#4 TEST**

Feb 14-22, 2022 (7 Classes) **= 21 hours**	**UNIT 5 - GASES AND ATMOSPHERIC CHEMISTRY (# 18HRS)**	➢ Ch#11 The Behaviour of Gases ➢ Ch#12 Exploring Gas Laws	F1. analyse the cumulative effects of human activities and technologies on air quality, and describe some Canadian initiatives to reduce air pollution, including ways to reduce their own carbon footprint; F2. investigate gas laws that explain the behaviour of gases, and solve related problems; F3. demonstrate an understanding of the laws that explain the behaviour of gases.	provide glossary list and related resources handout/formula sheet	CW; HW; Lab work; **Unit#5 Online Quiz** **Unit test#5 TEST**
6 hours	**CULMINATING PERFORMANCE TASK AND FINAL EXAMINATION**	**Midterm PPT presentation; Final Oral exam**			
Total= 110 hrs.					

*****All bold assessment is OF learning assessment