

NEPEAN HIGH SCHOOL

Science Department

SCH3U

Prerequisite: SNC2D

Teacher Name: Mr. Schneider Student Name: _____



Textbook: Nelson Chemistry 11 Replacement Value: \$100 Assigned Text # _____

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.

UNITS OF STUDY:

Unit 1	<i>Matter, Chemical Trends, and Chemical Bonding</i>	Chapters 1 - 2
Unit 2	<i>Chemical Reactions</i>	Chapters 3
Unit 3	<i>Quantities in Chemical Reactions</i>	Chapters 4 - 5
Unit 4	<i>Solutions and Solubility</i>	Chapters 6 - 8
Unit 5	<i>Gases and Atmospheric Chemistry</i>	Chapters 9 - 10

ASSESSMENT AND EVALUATION:

Category and Types of Assessment	Weight
Knowledge & Understanding <ul style="list-style-type: none">knowledge of facts and terms; understanding of concepts, principles, laws and theories; relationships between concepts and transfer of concepts to new contexts	24.5 %
Thinking, Inquiry & Problem Solving <ul style="list-style-type: none">use of skills and strategies in scientific inquiry, such as planning, performing, recording, analysing, interpreting and problem solving ; applications of technical skills and procedures; use of equipment and materials;	24.5 %
Application <ul style="list-style-type: none">connecting science, technology, society and the environment	7 %
Communication <ul style="list-style-type: none">communicating information and ideas with clarity and precision; using scientific terminology, conventions and SI units	14 %
Summative <ul style="list-style-type: none">end of year summative project (rich performance task) 10% and final exam 20%	30 %

ADDITIONAL NOTES:

The Nepean Science Department follows the evaluation policies as outlined in the Student Agenda. Students are expected to care for the textbooks issued to them and to return them in good condition. Each student is required to bring to class pens and pencils, textbook and notebook, and a ruler, geometry set, graph paper and a scientific calculator. All assignments are to be written individually, unless otherwise stated by the teacher. Extra help for review, remediation or enrichment is readily available. This is best arranged by appointment. Your teacher will provide times when (s)he is available. Students must make arrangements to make-up a missed test or experiment. Assignments and reports are due at the beginning of class.