

NEPEAN HIGH SCHOOL

Science Department

SCH 3UR

Prerequisite: SNC2D / SNC2DE

Teacher Name: Mrs. Houston

Student Name: _____



Textbook: Zumdahl Chemistry 7th ed. Replacement Value: \$130.00 Assigned Text # _____

COURSE DESCRIPTION:

This course focuses on the concepts and theories that form the basis of modern chemistry. Students will study the behaviours of solids, liquids, gases, and solutions; investigate changes and relationships in chemical systems; and explore how chemistry is used in developing new products and processes that affect our lives and our environment. This course also will cover material from the Advanced Placement Chemistry curriculum, which will allow for enrichment opportunities in subject material and laboratory activities. The curriculum document for SCH3U is available from: <http://www.edu.gov.on.ca/eng/curriculum/>. The curriculum document for the AP Chemistry course is available from: http://apcentral.collegeboard.com/apc/public/repository/ap08_chemistry_coursedes.pdf.

UNITS OF STUDY:

Unit 1	Chemical Foundations	Chapters 1
Unit 2	Matter, Chemical Trends, and Bonding	Chapters 2, 7, 8
Unit 3	Chemical Reactions	Chapter 4
Unit 4	Nuclear Chemistry	Chapter 18
Unit 5	Quantities in Chemical Reactions	Chapter 3
Unit 6	Solubility and Solution	Chapters 4, 10, 14
Unit 7	Gases and Atmospheric Chemistry	Chapters 5, 11

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. Students are expected to behave in a responsible manner. They will be billed for any breakage that results from carelessness. 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.

