

NEPEAN HIGH SCHOOL

Science Department

SNC2DE

Prerequisite: SNC1DE or SNC 1D

Teacher Name: Mr. Gragg

Student Name: _____



Textbook: McGraw-Hill ON Science10

Replacement Value: \$90.00

Text # _____

COURSE DESCRIPTION:

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid-base reactions; forces that affect climate and climate change; and the interaction of light and matter.

The curriculum document is available from: <http://www.edu.gov.on.ca/eng/curriculum/>

UNITS OF STUDY:

A	<i>Scientific Investigation Skills/Career Exploration</i>	Throughout the course
B	<i>Ecology</i>	Chapters 1 – 4 (<i>Nelson text</i>)
C	<i>Chemical Reactions</i>	Chapters 4 - 6
D	<i>Light and Geometric Optics</i>	Chapters 10 - 12
E	<i>Climate Change</i>	Chapters 7 - 9

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	28 %
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;	21 %
Application <ul style="list-style-type: none">connecting science, technology, society and the environment	10.5 %
Communication <ul style="list-style-type: none">communicating information and ideas with clarity and precision; using scientific terminology, conventions and SI units	10.5 %
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 work to be marked must be typed or neatly handwritten in blue or black ink. Pencil is only permitted for diagrams.

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.

