

# NEPEAN HIGH SCHOOL

Science Department

## SNC2D

Prerequisite: SNC1D

Teacher Name: Mrs. Bajenko

Student Name: \_\_\_\_\_



Textbook: McGraw-Hill Science 10      Replacement Value: 90.00 \$      Assigned Text # \_\_\_\_\_

### **COURSE DESCRIPTION:**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationships among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to acid-base reactions; factors that influence weather systems; and motion.

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

### **UNITS OF STUDY:**

Unit 1	<i>Ecology</i>	Chapters 1 – 4 ( <i>Nelson Text</i> )
Unit 2	<i>Chemistry</i>	Chapters 4 -6
Unit 3	<i>Optics</i>	Chapters 10 - 12
Unit 4	<i>Climate Change</i>	Chapters 7 - 9

### **ASSESSMENT AND EVALUATION:**

Category and Types of Assessment	Weight
<b>Knowledge &amp; Understanding</b> <ul style="list-style-type: none"><li>knowledge of facts and terms; understanding of concepts, principles, laws and theories; relationships between concepts and transfer of concepts to new contexts</li></ul>	28 %
<b>Thinking, Inquiry &amp; Problem Solving</b> <ul style="list-style-type: none"><li>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;</li></ul>	21 %
<b>Application</b> <ul style="list-style-type: none"><li>connecting science, technology, society and the environment</li></ul>	10.5 %
<b>Communication</b> <ul style="list-style-type: none"><li>communicating information and ideas with clarity and precision; using scientific terminology, conventions and SI units</li></ul>	10.5 %
<b>Summative</b> <ul style="list-style-type: none"><li>end of year summative project (rich performance task) 10% and final exam 20%</li></ul>	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.