

# NEPEAN HIGH SCHOOL

Science Department



## SVN 3M – Grade 11 Environmental Science

Prerequisite: Grade 10 Science, Applied or Academic

Teacher Name: Mr. Drummond Student Name: \_\_\_\_\_

Course Fee: t.b.a. (\$65 est.) Textbook: Environmental Science Replacement Value: \$120.00

### COURSE DESCRIPTION:

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas. The curriculum document is available from: <http://www.edu.gov.on.ca/eng/curriculum>

There will be three mandatory field trips for this course. Students will be expected to participate in these outdoor activities in a variety of weather conditions.

**UNITS OF STUDY:** The order of the units may vary between classes.

|               |  |
|---------------|--|
| <b>UNIT 1</b> | <b>INTRODUCTION TO ENVIRONMENTAL SCIENCE</b> |
| <b>UNIT 2</b> | <b>AGRICULTURE</b>                           |
| <b>UNIT 3</b> | <b>HUMAN HEALTH AND THE ENVIRONMENT</b>      |
| <b>UNIT 4</b> | <b>REDUCING AND MANAGING WASTE</b>           |
| <b>UNIT 5</b> | <b>CONSERVATION OF ENERGY</b>                |

### ASSESSMENT AND EVALUATION:

| Category and Types of Assessment   | Weight |
|--|--------|
| <b>Knowledge &amp; Understanding</b> <ul style="list-style-type: none"><li>the acquisition of subject specific content acquired in each grade (knowledge), and the comprehension of its meaning and significance (understanding)</li></ul> | 20%    |
| <b>Thinking</b> <ul style="list-style-type: none"><li>the use of critical and creative thinking skills and/or processes</li></ul>  | 15%    |
| <b>Application</b> <ul style="list-style-type: none"><li>the conveying of meaning through various forms</li></ul>  | 20%    |
| <b>Communication</b> <ul style="list-style-type: none"><li>the use of knowledge and skills to make connections within and between various contexts</li></ul>   | 15%    |
| <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.

