



Durham District School Board  
Brooklin High School  
Science Department  
Course Outline: ENVIRONMENTAL SCIENCE, Grade 11, Mixed

Department Head: D. O'Neill

Teacher:

Course Code: SVN 3M (Credit Value: 1.0)

Prerequisite: SNC 2D1 or SNC 2P1

***Overall Curriculum Expectations:***

Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of ways.

***Course Description:***

This course enables students to develop their fundamental knowledge of and skills relating to environmental science. 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 of waste and the conservation of energy.

***Course Strands:***

Scientific Investigation Skills and Career Exploration, Solutions to Environmental Issues, Human Health and the Environment, Sustainable Agriculture and Forestry, Reducing and Managing Waste, Conservation of Energy

***Units of Study:***

- Unit 1: Environmental Challenges and Solutions
- Unit 2: Energy Use and Conservation
- Unit 3: Sustainable Agriculture and Forestry
- Unit 4: Managing and Reducing Waste
- Unit 5: Human Health and the Environment

***Teaching Strategies:***

A variety of teaching and learning strategies will be incorporated throughout the course.

***Assessment & Evaluation:***

Assessment and evaluation will encompass all four categories of achievement: **Knowledge and Understanding; Thinking/Inquiry; Communication; and Making Connections/Application.** This course will involve a number of assessment and evaluation strategies that will provide all students an opportunity to meet with success.

***Term Work: 70%***

Labs and Assignments	40%
Tests & Quizzes	30%

***Final Summative: 30%***

Summative Project	10%
Final Exam	20%

***Learning Skills and Work Habits:***

The following Learning Skills and Work Habits are evaluated regularly using a scale of Excellent, Good, Satisfactory or Needs Improvement: **Responsibility, Organization, Independent Work, Collaboration, Initiative, Self-Regulation.**

***Textbook:*** McGraw-Hill Ryerson, Environmental Science A Canadian Perspective (replacement cost: \$80.00)

***Class requirements:*** 3-ring binder, scientific calculator, pen, pencil, ruler