



Durham District School Board
Brooklin High School
Science Department
Course Outline: SCIENCE, Grade 9, Academic

Department Head: D. O'Neill

Teachers:

Course Code: SNC 1D1 (Credit Value: 1.0)

Overall Curriculum Expectations:

Students will relate science to technology, society, and the environment. They will develop the skills, strategies, and habits of mind required for scientific inquiry, and understand the basic concepts of science.

Course Description:

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation.

Course Strands:

Scientific Investigation Skills and Career Exploration, Biology, Chemistry, Earth and Space Science, and Physics

Units of Study:

- Unit 1: Sustainable Ecosystems
- Unit 2: Atoms, Elements and Compounds
- Unit 3: The Study of the Universe
- Unit 4: The Characteristics of Electricity

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	35%
Quizzes	10%
Tests	25%

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: Nelson Science Perspectives 9 (replacement cost: \$81.00)

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