



Durham District School Board
Brooklin High School
Science Department
Course Outline: SCIENCE, Grade 10, Applied

Department Head: D. O'Neill

Teachers:

Course Code: SNC 2P1 (Credit Value: 1.0)

Prerequisites: SNC 1P1 or SNC 1D1

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 a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations.

Course Strands:

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

Units of Study:

Unit 1: Tissues, Organs and Systems

Unit 2: Chemical Reactions and Their Practical Applications

Unit 3: Earth's Dynamic Climate

Unit 4: Light and Applications of Optics

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 Connections 10 (replacement cost: \$75.00)

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