



Durham District School Board
Brooklin High School
Science Department
Course Outline: CHEMISTRY, Grade 12, College

Department Head: D. O'Neill

Teacher:

Course Code: SCH 4C (Credit Value: 1.0)

Prerequisite: SNC 2P1 or 2D1

Overall Curriculum Expectations:

Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology.

Course Description:

This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment.

Course Strands:

Scientific Investigation Skills, Matter and Qualitative Analysis, Organic Chemistry, Electrochemistry, Chemical Calculations, and Chemistry as it Relates to the Quality of the Environment.

Units of Study:

Unit 1: Matter and Qualitative Analysis

Unit 2: Organic Chemistry

Unit 3: Chemical Calculations

Unit 4: Chemistry and the Environment

Unit 5: Electrochemistry

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 Practical Evaluation	5 %
Final Exam	25 %

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 Chemistry 12 College Preparation (replacement cost: \$90.00)

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