

# Henry Street High School

## SCH 4U1

Chemistry Grade 12, University Preparation

### COURSE OUTLINE

#### COURSE DESCRIPTION

*This course enable students to deepen their understanding of chemistry through the study of organic chemistry, structure and properties of matter, energy changes and rates of reactions, chemical equilibrium and electrochemistry. Students will further develop their problem-solving and investigation skills. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment.*

#### UNITS OF STUDY

**UNIT 1** – Organic Chemistry

**UNIT 2** – Structure and Properties of Matter

**UNIT 3** – Energy Changes and Rates of Reaction

**UNIT 4** – Chemical Systems and Equilibrium

**UNIT 5** – Electrochemistry

#### ASSESSMENT AND EVALUATION

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Each unit may include the following strategies:

- ❖ Quizzes
- ❖ Lab Activities
- ❖ Assignments
- ❖ Computer Activities
- ❖ Tests/Unit Tests

##### SUMMATIVE EVALUATIONS

Summative evaluations will include marks from at least one of the following categories:

Knowledge	40%
Thinking/Investigation	40%
Application	10%
Communication	10%

##### FINAL EVALUATION

Term Work	70%
Final Summative Evaluation	30%

#### OTHER INFORMATION

**TEXTBOOK** - Chemistry 12 – Nelson - \$80

**EQUIPMENT**: Binder, calculator, pen, pencil, ruler, paper, graph paper