



# GEORGE S. HENRY ACADEMY COURSE OUTLINE

## COURSE NAME



<b>COURSE CODE</b>	SNC 2L	<b>GRADE</b>	10
<b>TEACHER(S)</b>	B. Jones	<b>CREDIT VALUE</b>	1.0
<b>DEPARTMENT</b>	Science	<b>PREREQUISITE</b>	SNC 1L

### **COURSE DESCRIPTION:**

This course allows students to develop an understanding of basic concepts in: Biology; Chemistry, Climate Change and Light and Optics. Each unit is taught showing relevance to the student's everyday life.

### **COMMUNICATION**

Please direct all questions or concerns regarding student progress or program of study to the course teacher. Please call the main office to leave a message at 416-395-3240.

### **CONCRETE LEARNING RESOURCES**

### **DIGITAL LEARNING RESOURCES**

Science Essentials 10	i.e. My School Day App - An app that allows you to stay up-to-date with in-class tasks and receive reminders about upcoming evaluations.

### **GEORGE S. HENRY ACADEMY'S COURSE WORK POLICY**

For each evaluation, the teacher will inform students of the **due date** and the **ultimate deadline**. The ultimate deadline is the last opportunity for students to submit an assignment for evaluation. Teachers may also use a variety of other methods for dealing with late and missed assignments at their discretion.

#### **Strategies to assist students in meeting deadlines include:**

- Peer tutoring
- Using the school app
- Using a personal agenda
- Seeking extra help from teachers
- Requesting for assistance with time management and organizational skills
- Getting help from parents/guardians
- Getting help from a caring adult in the school

## ASSESSMENT AND EVALUATION OF STUDENT ACHIEVEMENT

Each course follows an achievement chart which enables teachers to make judgements about student work that are based on clear performance standards and on a body of evidence collected over time. Additional information can be found on the Ministry of Education website noted within the course description.

### ACHIEVEMENT CHART CATEGORIES

**Knowledge and Understanding (K & U):** Subject-specific content acquired in each course (knowledge), and the comprehension of its meaning and significance (understanding)

**Thinking (T):** The use of critical and creative thinking skills and/or processes

**Communication (C):** The conveying of meaning through various forms

**Application (A):** The use of knowledge and skills to make connections within and between various contexts

### COURSE WORK (70% of your overall grade)

Categories	%	Possible Assessments of Learning
<b>K &amp; U</b>	<b>21</b>	<p><b>Knowledge of content</b> (facts, terms, procedural skills, use of tools)  <i>Ex. (Ability to use the Periodic Table)</i></p> <p><b>Understanding of content</b> (Understanding of scientific concepts)  <i>Ex. (Drawing Bohr-Rutherford diagrams)</i></p>
<b>T</b>	<b>21</b>	<p><b>Use of planning skills</b> – understanding the problem (e.g., formulating and interpreting the problem, making conjectures) – making a plan for solving the problem  <i>Ex. (Discuss/think through issues associated with Climate change and possible solutions)</i></p> <p><b>Use of processing skills</b> – carrying out a plan (e.g., collecting data, questioning, testing, revising, modelling, solving, inferring, forming conclusions) – looking back at the solution (e.g., evaluating reasonableness, making convincing arguments, reasoning, justifying, proving, reflecting)  <i>Ex. (Balancing chemical reactions)</i></p> <p><b>Use of critical/creative thinking processes</b> (e.g., problem solving, inquiry)  <i>Ex. (Discussions around the issues associated with Global warming)</i></p>
<b>C</b>	<b>14</b>	<p><b>Expression and organization of ideas and information</b> (e.g., clarity of expression, logical organization), using oral, visual, and written forms (e.g., pictorial, graphic, dynamic, numeric, algebraic forms; concrete materials)  <i>Ex. (Biological drawings and proper use of the microscope)</i></p> <p><b>Communication for different audiences and purposes</b> (e.g., peers, teachers) and purposes (e.g., to present data, justify a solution, express a mathematical argument) <b>in oral, visual, and written forms</b>  <i>Ex. (Relevant class discussions)</i></p> <p><b>Use of conventions</b> (e.g., terms, symbols) in oral, visual, and written forms  <i>Ex. (Chemistry)</i></p>
<b>A</b>	<b>14</b>	<p><b>Application of knowledge and skills in familiar contexts</b></p> <p><b>Transfer of knowledge and skills to new contexts</b></p> <p><b>Making connections within and between various contexts</b> (e.g., connections between concepts, representations, and forms within mathematics; connections involving use of prior knowledge and experience; connections between mathematics, other disciplines, and the real world)</p>

**FINAL EVALUATION (30% of your overall grade)**

Type	Description	%
Culminating Task(s)	At the end of each unit students will do an assignment directly related to the completed unit.	10
Exam	i.e. Three part written exam during class time, before exam week .	20

**UNITS OF STUDY/COURSE ROAD MAP (subject to change)****Unit 1 Title: Cells, Tissues, Organs and Organ Systems**

Quizzes (3 – 4)	Mostly:K/U, T/I and some Com. and App.
Lab Investigations – Research assignment	Communication and Inquiry
Unit Test	All four categories of assessment

**Unit 2 Title: Chemical Reactions and their Practical Applications**

Quizzes (3 – 4)	Mostly:K/U, T/I and some Com. and App.
Lab Investigations	Communication and Inquiry
Unit Test	All four categories of assessment

**Unit 3 Title: Earth's Dynamic Climate**

Quizzes (3 – 4)	Mostly:K/U, T/I and some Com. and App.
Investigative Activities	Communication and Inquiry
Unit Test	All four categories of assessment

**Unit 4 Title: Light and Application of Optics**

Quizzes (3 – 4)	Mostly:K/U, T/I and some Com. and App.
Investigative Activities	Communication and Inquiry

**GEORGE S. HENRY ACADEMY'S LATE & MISSED EVALUATION POLICY**

It is the responsibility of the student to make arrangements with their teacher for any missed course material and/or assignments. Extenuating circumstances will be considered on a case-by-case basis.

**GEORGE S. HENRY ACADEMY'S ACADEMIC DISHONESTY POLICY**

Cheating and plagiarism will not be condoned. For more information, refer to the Academic Honesty Policy found in the Student Handbook. The Student Handbook can be found in the George S. Henry Academy app.

SPECIALIST HIGH SKILLS MAJOR (SHSM) REQUIREMENTS			
GRADE 11 AND 12 CREDITS	ENVIRONMENT	HEALTH & WELLNESS	HOSPITALITY & TOURISM
Major Credits	4	4	4
English ( <i>including a CLA*</i> )	2	1	1
Mathematics ( <i>including a CLA</i> )	1	1	1
Science or Social Sciences and Humanities ( <i>including a CLA</i> ) (May be substituted with 1 coop credit)	-	1	-
Business Studies or Science ( <i>including a CLA</i> ) (May be substituted with 1 coop credit)			1
Cooperative Education	2	2	2
<b>TOTAL</b>	<b>9</b>	<b>9</b>	<b>9</b>

\*Contextualized Learning Activity