



**Course:** Grade 9 Science

**Course Code:** SNC 1D

**Grade:** 9

**Course Type:** Academic

**Credit Value:** 1

**Prerequisite:**

**Curriculum Document:** The Ontario Curriculum, Grades 9 and 10, Science – 2008

**Textbook:** Science Perspectives 9

**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. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

**Required Materials:** Students are expected to come to class every day prepared with:

3 ring binder	lined paper	textbook	eraser
ruler	calculator	pencils/pens	pencil crayons

### Units of Study:

1. Chemistry: Atoms, Elements and Compounds
2. Physics: The Characteristics of Electricity
3. Biology: Sustainable Ecosystems
4. Earth and Space Science: The Study of the Universe

In addition to the units of study, students will also develop **Scientific Investigation Skills** like initiating and planning, performing and recording, analyzing and interpreting, and communicating.

**Late Policy:** Students are expected to submit all assignments within the time frame specified. While teachers will consider extenuating circumstances, late students are subject to mark deductions. If an assignment is late, a penalty of 10% per school day will be deducted, up to a maximum of 50%. Once assignments have been returned to the class, late submissions may receive a mark of **zero**.

**Evaluation:** A student's final grade in the course will be determined as follows:

**70 % TERM MARK** This will include a variety of evaluations such as tests, quizzes, assignments and presentations and will be marked according to the following weightings.

Knowledge and Understanding	30%	Application	25%
Communication	15%	Thinking and Inquiry	30%

**30 % SUMMATIVE EVALUATION** This will be a final examination based on all material covered in the course.

**Student Expectations: In order to be successful in this course all students must:**

**1. Attend class every day:**

If you are absent it is YOUR responsibility to obtain notes from a classmate, catch up on missed work, find out about any upcoming evaluations, and see the teacher if you need assistance.

**2. Arrive to class prepared to work physically and mentally:**

Class time is precious and should not be wasted going to your locker or to the washroom. Make sure you bring the required materials, use the washroom during breaks and are in your seat ready to work when the bell rings.

**3. Complete and check all homework:**

Homework and assignments are crucial to your success in science because they help to solidify and check your understanding of the topic. Homework and assignments should be completed on the day they are assigned and will be checked, taken up or discussed in class. If you have difficulty with the homework extra help is always available but YOU have to ASK. Plagiarism will result in a mark of zero.

**4. Make arrangements for any missed tests/quizzes.**

If you know you are going to be away on the day of a test (sport/club etc) make sure you make arrangements with the teacher to write the test at an alternate time. For unexpected absences, see the teacher BEFORE CLASS on the day you are back at school. Tests or quizzes missed due to TRUANCY will result in a mark of ZERO.

**5. IPAD (Device) Policy:**

In this class students will use their device in a variety of ways including use of e-textbook, online resources, presentation software and graphing calculator apps. During class time it is expected that students will not use their device for **games, texting, or music**. Failure to adhere to this policy will result in removal of the privilege to use their device.

I understand the above expectations and I am ready to be successful in science:

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STUDENT'S SIGNATURE

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PARENT'S SIGNATURE

