



A. Y. Jackson S. S.
www.ayjackson.ca

SNC 1P1 Science Grade 9 Applied

General Course Information

Prerequisite:	Grade 8
Department:	Science/Physics
Extra Help:	By appointment with teacher
Textbook and Replacement Cost:	McGraw Hill Grade 9 \$100
Material Required:	Safety goggles, 3-ring binder, Notebook, calculator, ruler
Course Fee:	None

Course Description

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

The course is organized into 5 strands:

- Biology: Sustainable Ecosystems and Human Activity
- Chemistry: Exploring Matter
- Earth and Space Science: Space Exploration
- Physics: Electrical Applications

A detailed list of the course expectations can be found at [://www.edu.gov.on.ca/eng/curriculum/secondary/science.html](http://www.edu.gov.on.ca/eng/curriculum/secondary/science.html)

Assessment and Evaluation

To promote student success, ongoing assessment and feedback will be given regularly to the students. A variety of assessment and evaluation strategies will be used in this course, including labs, case studies, assignments, projects, presentations, tests and quizzes. Expectations will be evaluated based on the provincial curriculum expectations and the achievement levels outlined in the ministry document.

Expectations are organized into four categories of knowledge and skills that will be integrated within assignments, quizzes, tests, labs, projects and the final exam. The categories and their corresponding approximate weightings are as follows: K/U = Knowledge Understanding, C = Communication, I = Inquiry, A = Application

Tests (K/U, C, A)	25 %
Lab Work (I,C)	15 %
Assignments in class (K/U, A)	15 %
Research Assignments/Take Home (I,C,A)	15 %

Each student's final mark will be in the form of a percentage grade based on their achievement in the 4 categories on the achievement chart. The breakdown of the final mark is as followed:

Term Evaluation	70%
Final Evaluation & Culminating	30%

In addition to students' performance in the achievement categories, students will also be assessed on their performance in the following learning skills:

- Responsibility
- Organization
- Independent Work
- Collaboration
- Initiative
- Self-Regulation

For specific policies on assessment and evaluation, and academic honesty, please refer to *School Procedures* in the student agenda.

Department Policies



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Late Assignments

Students must communicate with the teacher in advance if they anticipate that an assignment will be late. Different situations will require specific decisions based on professional judgment. Late assignments will not be accepted after the assignment has been taken up in class or the marked assignment has been returned.

Missed Evaluations

A student who misses an evaluation must submit upon return to class a parental/guardian note or a doctor's note detailing the reason for the absence and acknowledging the missed evaluation. The student may have the opportunity to demonstrate their proficiency of the learning expectations at a later date, at the teacher's discretion. This may or may not be in the same format as the original evaluation. The teacher will determine the time and form in which the evaluation will take place.