



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

## SNC 2D Science Grade 10, Academic

### General Course Information

Prerequisite:	SNC 1D
Department:	Science
Extra Help:	By appointment with teacher
Textbook and Replacement Cost:	Pearson Investigation Science 10, \$95
Material Required:	Safety goggles, 3-ring binder, Notebook, calculator, protractor
Course Fee:	None

### Course Description

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter.

The course is organized into 5 strands:

- Scientific Investigation Skills and Career Exploration
- Biology: Tissues, Organs and Systems of Living Things
- Chemistry: Chemical Reactions
- Earth and Space Science: Climate Change
- Physics: Light and Geometric Optics

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. The categories and their corresponding weighting is as follows:

Knowledge and Understanding	40 %
Thinking	20 %
Communication	20 %
Application	20 %

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	30%

The final Evaluation will be completed during the final 6 weeks of the course and may include a variety of summative activities including an exam, a presentation, a seminar, or an essay or another writing assignment.

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.