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## SNC2P - Course Outline

**COURSE TITLE:** Grade 10 Applied Science

**COURSE CODE:** SNC 2P

**CREDIT:** 1.0

**POLICY DOCUMENTS:** *The Ontario Curriculum, Grades 9 and 10 Science*

**CLASSROOM RESOURCE:** <https://sites.google.com/site/rosecransclassroom/>

Contact information: [scott.rosecrans@ocdsb.ca](mailto:scott.rosecrans@ocdsb.ca)

### COURSE DESCRIPTION

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.



### COURSE CONTENT

#### **Chemistry** - Chemical Reactions



- ◆ Chemicals react with each other in predictable ways.
- ◆ Chemical reactions are a necessary component of chemical products and processes used in the home and workplace.

#### **Physics** - Light and Geometric Optics



- ◆ A wide range of technologies utilize the properties of light and colour.
- ◆ The behaviour of light depends on the materials with which it interacts.
- ◆ Light is a form of energy, produced from a variety of sources, and can be transformed into other useful forms of energy.

#### **Biology** - Tissues, Organs, and Systems



- ◆ Plants and animals, including humans, are made of specialized cells, tissues, and organs that are organized into systems.
- ◆ Although technology and chemicals can be used to improve human health, they can also constitute a health hazard.

#### **Earth and Space Science** - Climate Change



- ◆ Global climate change is affected by both natural and human factors.
- ◆ Climate change affects living things and natural systems in a variety of ways.

## **EVALUATION**

*Assignment sheets, with instructions and evaluation rubrics, will be provided for major tasks.*

- Course Work 70%
- Summative 15%
- Final Exam 15%
- Total 100%

## **ATTENDANCE**

Regular attendance is an integral part of learning and evaluation in all areas. Students are responsible for all material, including tests, assignments, labs, etc. studied in their classes. Irregular attendance may limit a student's ability to earn a credit in a particular course. An acceptable absence is one due to a school sponsored activity or one substantiated by documentation (e.g. medical certificate). The teacher must be notified **in advance** of any already scheduled activity/appointment that conflicts with course responsibilities, in order that appropriate arrangements can be made. If advance notification is not possible (e.g. sudden illness), please make a personal telephone call to your teacher at school (592-3361).

## **ASSIGNMENTS**

All assignments will have deadlines which will be announced well in advance. If an assignment is handed in late, and is of acceptable quality, the assignment will be recorded as "handed in late", but may not be evaluated or included in the term evaluation. It is recognized that there will be times that an extension of the due date is required. If this is the case, the student is expected to discuss alternate arrangements with the teacher.

Evidence of achievement of the learning expectations is the basis for granting a credit. Major assignments are designed to cover particular key expectations. Missing assignments will impact on the student's final mark and may interfere with the successful completion of the course.

I have read the above information and understand the expectations of this course.

**Student Signature:** \_\_\_\_\_

**Parent(s)/Guardian(s) Signature :** \_\_\_\_\_