

Sir Wilfrid Laurier Secondary School
Grade 9 Applied Science – SNC1P
1.0 credits

Course Description

This course provides students with the opportunity for in-depth study of the concepts and processes associated with biological systems. 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. Emphasis will be placed on achievement of the detailed knowledge and refined skills needed for further study in various branches of the life sciences and related fields.

Strands and Subgroups

<p>Exploring Matter</p> <ul style="list-style-type: none"> • WHMIS • physical and chemical changes • atoms, compounds, and molecules • periodic table 	<p>Electrical Applications</p> <ul style="list-style-type: none"> • static electricity • current electricity • series and parallel circuits • electrical resistance • energy conservation
<p>Sustainable Ecosystems and Human Activity</p> <ul style="list-style-type: none"> • ecology, relationships between organisms • cellular respiration and photosynthesis • factors affecting the carrying capacity • human activities and its impact on ecosystems 	<p>Space Exploration</p> <ul style="list-style-type: none"> • planets • constellations • comets and meteorites • the Sun and other stars • satellites • humans in space

Evaluation

The final report card mark will be determined as follows:

Classwork	70%	Summative	30%
Consisting of unit tests, lab activities, projects, presentations, and/or other class assignments.		Exam and/or Performance Task	

Attendance & Missed Evaluations

Regular attendance is an integral part of learning. Students are responsible for completing all work missed due to absence. Students must complete the missed evaluation immediately upon return to school, during out-of-class time.

End-of-course evaluations, i.e. the summative activity and final examination are time-sensitive. Attendance is mandatory for these evaluations. Any absence will result in a mark of zero, unless validated by a doctor's certificate.

If a student participates in **academic fraud** (e.g. plagiarism in assignments/lab reports), he / she is deemed not to have met the expectations associated with that particular evaluation.

A mark of zero will be given for late assignments/labs/projects that exceed the limits as set out in the school policy.

General Course Information

Students must bring the following materials to each class:

- workbook
- separate Science binder (to hold notes, tests, quizzes, handouts)
- pencil case (to hold pencils, erasers, ruler)
- scientific calculator
- lined paper

Workbook: The student will be provided a workbook at no cost but will be responsible for a replacement cost of \$15.