

Sir Wilfrid Laurier Secondary School

Grade 10 Science Essentials – SNC2L

1 credit

Course Description

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, and in the workplace. Students explore a range of topics, including science in the media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

Strands and Subgroups

<p>Biology: Living Together</p> <ul style="list-style-type: none"> ● BLTV.01 • explain the strategies that organisms use for successful coexistence in populations and communities; ● BLTV.02 • investigate, using appropriate laboratory and research skills, the implications of organisms existing in communities; ● BLTV.03 • analyse the challenges that arise from organisms living in communities. 	<p>Physics: Using Electrical Energy</p> <ul style="list-style-type: none"> ● PEEV.01 • explain the generation, measurement, and conversion of electricity; ● PEEV.02 • investigate the factors that affect the generation and use of electricity; ● PEEV.03 • analyse the social, economic, and/or environmental implications of the sources and uses of electrical energy.
<p>Chemistry: Interactions of Common Materials</p> <ul style="list-style-type: none"> ● CIMV.01 • understand how chemicals in common household and workplace materials interact; ● CIMV.02 • investigate the types and rates of interactions between commonly used materials through laboratory activities; ● CIMV.03 • analyse how material interactions affect our daily lives. 	<p>Scientific Inquiry: Science in Media</p> <ul style="list-style-type: none"> ● SIMV.01 • explain how science-related information is presented in print and electronic media for different purposes and audiences; ● SIMV.02 • investigate science-related information presented in print and electronic media using appropriate research and reporting skills; ● SIMV.03 • evaluate claims and presentations of science-related information in media.

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.		Various projects – 15% Final Exam - 15%	

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 activities 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), 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:

- Text/workbook will be provided free of charge.
****In the event the student loses the text/workbook there is a replacement fee of \$20****
- separate Science binder (to hold notes, tests, quizzes, handouts)
- pencil case (to hold pencils, erasers, ruler)
- scientific calculator
- lined paper
- graph paper

There is no fee for this course.

ON-LINE COURSE WEBSITE

Website: <http://www.schoolology.com/register> (for the first time only)

Use your first name and last name when registering.

Access code: _____

<http://www.schoolology.com/login> (once you have registered)

TEACHER INFORMATION

Teacher contact: M. Rajab (Science Department)

Phone: (613) 834-4500 x235 (x456 Voice Mail)

e-mail: The teacher may be contacted through the website indicated above.