



GRADE 9 COURSE DESCRIPTIONS

De-streamed Science—SNC1W

Students will study concepts related to biology, chemistry, physics, and earth and space science, and apply their knowledge of science to technology, society, and the environment. They are also given opportunities to develop and refine their STEM skills through scientific research, experiments, and the engineering design process. Students will develop skills and apply their knowledge in situations relevant to themselves and their communities.

Students considering taking sciences at the university level, the college level or studying an apprenticeship should sign up for this course.

Locally Developed Science—SNC1L

A locally developed course to help transition science students from the grade 8 curriculum into the workplace level Science stream.

Students working with a modified curriculum or not at grade level choose this course. SNC2L is the next step in this workplace pathway.



WHAT WE OFFER



SPECIALIST HIGH SKILLS MAJOR IN ENVIRONMENTAL STUDIES

Students who acquire a select combination of grade 11 and 12 science and geography courses may want to pursue the SHSM program. Students will receive specialized training and additional learning experiences to earn a red seal on their Ontario Secondary School Diploma (O.S.S.D.).



Grade 10 Science Classes

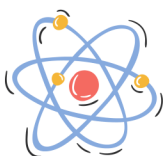
SNC2D Grade 10 Academic Science
SNC2P Grade 10 Applied Science
SNC2L Grade 10 Locally Developed Science

- Chemical reactions in labs and demos.
- Use digital microscope to study cells and tissues in biology unit.
- Optics unit teaches about light and why we see objects the way we do.



Physics Classes

SPH3U Grade 11 Physics University
SPH4U Grade 12 Physics University
SPH4C Grade 12 Physics College



- Learn through inquiry in a collaborative group format.
- Engage in labs and other activities promoting critical thinking with a practical focus.
- Class discussions, activities, data analysis about the principles of physics and their application in and out of the classroom.
- SPH4C is offered every other year.

Chemistry Classes

SCH3U Grade 11 Chemistry University
SCH4U Grade 12 Chemistry University
SCH4C Grade 12 Chemistry College



- Hands on opportunities to expand understanding of chemistry and development of lab skills.
- Explorations in many chemistry-based concepts such as combustion, chemical synthesis, and titrations.

Environmental Science

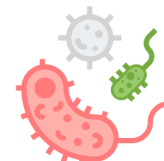
SVN3M Grade 11 University/College



- Explore how science deals with environmental issues.
- Learn about effects on human health, conservation, and sustainable management of waste.

Biology Classes

SBI3C Grade 11 Biology College
SBI3U Grade 11 Biology University
SBI4U Grade 12 Biology University



- Learn about genetics, evolution, DNA, and various body systems.
- A variety of experimental labs such as DNA fingerprinting and dissections.
- Develop critical thinking skills through case studies and inquiries.

Workplace Science

SNC4E Grade 12 Science Workplace

- Learn practical science skills useful in any discipline.

**Home of the
Tartans**

