

Science @ SLHS

The overall aim of the Science program at South Lincoln is to ensure scientific literacy for every secondary school graduate. This aim can be achieved by meeting three overall goals for every student. The secondary Science program at South Lincoln, from Grade 9 through Grade 12, is designed to promote these goals, which are as follows:

- To understand the basic concepts of science
- To develop the skills, strategies, and habits of mind required for scientific inquiry.
- To relate science to technology, society, and the environment.



At South Lincoln, students have the opportunity to work in one of the newest and best equipped high school laboratories in the Niagara Region. Students are able to better understand scientific concepts through hands-on activities, computer simulations, computer based data collection, and library research projects. Science at South Lincoln is a great opportunity for students to examine the connections between science, society, technology, and the environment.

Students moving forward into the grade 11 and 12 science programs are given the opportunity to design and build experiments based on scientific theories. Shown on the right is a 'Rube Goldberg Device' devised by Grade 12 Physics students. The purpose of this project is for students to design and build a device that performs a simple task through a series of complex steps.



Each year, science students are given the opportunity to explore science outside the classroom. Volunteer trips to the Niagara Children's Water Festival, field trips to the Ontario Science Centre, and participation in the York University Science Olympics are just a few of the opportunities available to Science students at SLHS.

For more information on the SLHS Science program please contact:
CHRIS FREURE *Head of Science*

Science Courses @ SLHS

SNC 1D

This course enables students to understand basic concepts in biology, chemistry, earth and space science, and physics; to develop skills in the processes of scientific inquiry; and to relate science to technology, society, and the environment. Students will learn scientific theories and conduct investigations related to cell division and reproduction; atomic and molecular structures and the properties of elements and compounds; the universe and space exploration; and the principles of electricity.

SNC 1P

This course enables students to understand basic concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in scientific investigation; and to apply their knowledge of science to everyday situations. Students will design and conduct investigations into practical problems and issues related to cell division and reproduction, the structure and properties of elements and compounds, astronomy and space exploration, and static and current electricity.

SNC 2D

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationships among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to acid-base reactions; factors that influence weather systems; and motion.

SNC 2P

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their practical skills in scientific investigation; and to apply their knowledge of science to real-world situations. Students will design and conduct investigations into everyday problems and issues related to ecological sustainability, chemical reactions, weather systems, and motion.

SENIOR SCIENCE COURSES

At South Lincoln, we offer the following courses at the senior level:

BIOLOGY	CHEMISTRY	PHYSICS	GENERAL SCIENCE	
SBI 3U	SCH 3U	SPH 3U	SNC 3M	SNC 3E
SBI 4U	SCH 4U	SPH 4U	SNC 4M	SNC 4E

FOR MORE INFORMATION ON THESE SENIOR COURSES, VISIT THE DSNB WEB SITE.

<http://www.dsnb.edu.on.ca/sec-courses/default.htm>

Science Pathways @ SLHS

