

Science

between science, society, and the environment to prepare students for success in everyday life, in the workplace and in the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in daily life, properties of common materials, life-sustaining processes in simple and complex organisms, and electrical circuits. 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.

SNC2L1 **Science,** **Grade 10, Locally Developed** **Compulsory Credit Course**

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, in the workplace and in the Science Grade 11 Workplace Preparation course. 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.

Recommended Preparation: A Grade 9 Science credit

SNC4M1 **Science** **Grade 12, University/College** **Preparation**

This course enables students, including those pursuing post-secondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' investigation skills.

Prerequisite: Science, Grade 10,

Academic or any Grade 11 University, University College, College Preparation course in science

SNC4E1 **Science,** **Grade 12, Workplace Preparation**

This course provides students with fundamental science knowledge and workplace skills needed to prepare them for success beyond secondary school. Students will explore hazards in the workplace, chemicals in consumer products, disease and its preventions, electricity at home and at work, and nutritional science. Emphasis is placed on current topics in science and relevant, practical activities that develop students' literacy and mathematical literacy skills and enhance their scientific literacy.

Prerequisite: Science, Grade 10 Applied or a locally developed compulsory credit (LDCC) course in science

Social Sciences and the Humanities

HFN104/5 **Alimentation et nutrition**

This course is for Extended or French Immersion. For the English descriptor see Food and Nutrition, Grade 9 or 10, Open.

HSB4M1 **Challenge and Change in Society,** **Grade 12, University/College** **Preparation**

This course examines the theories and methodologies used in anthropology, psychology, and sociology to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will analyze cultural, social, and biological patterns in human societies, looking

at the ways in which those patterns change over time. Students will also explore the ideas of classical and contemporary social theorists, and will apply those ideas to the analysis of contemporary trends.

Prerequisite: Any University, University/College, or College Preparation Course in Social Sciences and Humanities, English, or Canadian and World Studies

HSB4M4/5 **Changements et défis sociaux,** **Grade 12, University/College** **Preparation**

This course is for Extended or French Immersion. For the English descriptor see Challenge and Change in Society, Grade 12, University/College Preparation.

HRF304/5 **Études des religions**

This course is for Extended or French Immersion. For the English descriptor see World Religions: Beliefs and Daily Life, Grade 11, Open.

HRT3M4/5 **Études des religions: croyances,** **sujets contemporains, et** **traditions religieuses**

This course is for Extended or French Immersion. For the English descriptor see World Religions: Beliefs, Issues, and Religious Traditions, Grade 11, University/College Preparation





Social Sciences and the Humanities

HNC301

Fashion and Creative Expression, Grade 11, Open

This course explores what clothing communicates about the wearer and how it becomes a creative and entrepreneurial outlet through the design and production processes. Students will learn, through practical experiences, about the nature of fashion design; the characteristics of fibres and fabrics; the construction, production, and marketing of clothing; and how to plan and care for a wardrobe that is appropriate for an individual's appearance, activities, employment, and lifestyle. Students will develop research skills as they explore the evolution of fashion and its relationship to society, culture, and individual psychology.

HFN101 or HFN201

Food and Nutrition, Grade 9, or 10, Open

This course explores the factors that affect attitudes and decisions about food, examines current issues of body image and food marketing, and is grounded in the scientific study of nutrition. Students will learn how to make informed food choices and how to prepare foods, and will investigate our Canadian food heritage and food industries, as well as global food issues. The course also introduces students to research skills related to food and nutrition.

HFA4M1

Food and Nutrition Sciences, Grade 12, University/College Preparation

This course examines various nutritional, psychological, social, cultural, and global factors that influence people's food choices and customs. Students will learn about current Canadian and worldwide issues related to food, frameworks for making appropriate dietary choices, and food-preparation

techniques. This course also refines students' skills used in researching and investigating issues related to food and nutrition.

Prerequisite: Any University, University/College, or College Preparation Course in Social Sciences and Humanities, English, or Canadian and World Studies

HHS4M1

Individuals and Families in a Diverse Society, Grade 12, University/College Preparation

This course applies current theories and research from the disciplines of anthropology, psychology, and sociology to the study of individual development, family behaviour, intimate and parent-child relationships, and the ways in which families interact within the diverse Canadian society. Students will learn the interpersonal skills required to contribute to the well-being of families, and the investigative skills required to conduct and evaluate research about individuals and families.

Prerequisite: Any University, University/College, or College Preparation Course in Social Sciences and Humanities, English, or Canadian and World Studies

HIF101 or HIF201

Individual and Family Living, Grade 9 or 10, Open

This course explores the challenges faced by all people: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will acquire knowledge and skills that are needed to make the transition to adulthood. Teachers will instruct students in developing interpersonal, decision-making, and practical skills related to daily life. Students will explore the functioning of families and the diversities found among families and within society.

HHS4M4/5

Individus, familles et sociétés, Grade 12, University/College Preparation

This course is for Extended or French Immersion. For the English descriptor see Individuals and Families in a Diverse

Society, Grade 12, University/College Preparation.

HSP3M4/5

Introduction à la psychologie, la sociologie et l'anthropologie

This course is for Extended or French Immersion. For the English descriptor see Introduction to Anthropology, Psychology, and Sociology, Grade 11, College/University Preparation.

HSP3M1

Introduction to Anthropology, Psychology, and Sociology, Grade 11, University/College Preparation

This course introduces the theories, questions, and issues that are the major concerns of anthropology, psychology, and sociology. Students will develop an understanding of the way social scientists approach the topics they study and research methods they employ. Students will be given opportunities to explore theories from a variety of perspectives and to become familiar with current thinking on a range of issues that have captured the interest of classical and contemporary social scientists in the three disciplines.

HHG4M1

Issues in Human Growth and Development, Grade 12, University/College Preparation

This course offers a multidisciplinary approach to the study of human development throughout the life cycle, with particular emphasis on enhancing growth and development. Students will examine how early brain and child development are linked to lifelong learning, health, and well-being, and will develop child-care and human-relationship skills through practical experience in a community setting. This course also refines students' skills used in researching and investigating issues related to human growth and development.

Prerequisite: Any University, University/College, or College Preparation Course in Social Sciences and Humanities, English, or Canadian and World Studies

Social Sciences and the Humanities



HPW3C1

Living and Working With Children, Grade 11, College Preparation

This course focuses on the well-being of children in families and community settings. Students will study child behaviour and child development in the context of relationships with parents and others in the community, and will learn through research and by observing and interacting with children. This course prepares students for further study of children, familiarizes them with occupational opportunities related to working with children, and introduces them to skills used in researching and investigating children's behaviour in response to others.

HLS301

Living Spaces and Shelter, Grade 11, Open

This course analyzes how different types of living spaces and forms of shelter meet people's physical, social, emotional, and cultural needs and reflect society's values, established patterns of living, and economic and technological developments. Students will learn how to make practical decisions about where to live and how to create functional and pleasing environments, and will explore occupational opportunities related to housing and design. They will also learn skills used in researching and investigating living accommodations and housing.

HIR3C1

Managing Personal and Family Resources, Grade 11, College Preparation

This course explores how to use human, material, and community resources effectively, and how to make informed choices with respect to clothing purchases, finance, food and nutrition, housing, and transportation. Students will learn about the dynamics of human interaction; how to make responsible choices in their transition to post-secondary education and careers; and strategies to enable them

to manage time, talent, and money effectively. This course also introduces students to skills used in researching and investigating resource management.

HIP3E1

Managing Personal Resources, Grade 11, Workplace Preparation

This course prepares students for living independently and working successfully with others. Students will learn to manage their personal resources (including talent, money, and time), to develop interpersonal skills, and to understand economic influences on workplace issues, in order to make wise and responsible personal and occupational choices. The course emphasizes the achievement of expectations through practical experiences and introduces students to skills used in researching and investigating resource management.

HPC301

Parenting, Grade 11, Open

This course focuses on the skills and knowledge needed to promote the positive and healthy nurturing of children, with particular emphasis on the critical importance of the early years to human development. Students will learn how to meet the developmental needs of young children, communicate and discipline effectively, and guide early behaviour. They will have practical experiences with infants, toddlers, and preschoolers, and will learn skills in researching and investigating questions relating to parenting.

HPD4E1

Parenting and Human Development, Grade 12, Workplace Preparation

This course prepares students for occupations involving older children, and for the responsibility of parenting, with emphasis on school-age and adolescent children. Students will learn, through practical experience in the community, how early child development affects later development,

success in school, and personal and social well-being throughout life, and how children and parents change over time. This course also develops students' skills in researching and investigating various aspects of parenting and human development.

HZB301

Philosophy: The Big Questions, Grade 11, Open

This course addresses three (or more) of the following questions: What is a person? What is a meaningful life? What are good and evil? What is a just society? What is human knowledge? How do we know what is beautiful in art, music, and literature? Students will learn critical-thinking skills in evaluating philosophical arguments related to these questions, as well as skills used in researching and investigating various topics in philosophy.

HZT4U1

Philosophy: Questions and Theories, Grade 12, University Preparation

This course addresses three (or more) of the main areas of philosophy: metaphysics, logic, epistemology, ethics, social and political philosophy, and aesthetics. Students will learn critical-thinking skills, the main ideas expressed by philosophers from a variety of the world's traditions, how to develop and explain their own philosophical ideas, and how to apply those ideas to contemporary social issues and personal experiences. The course will also help students refine skills used in researching and investigating topics in philosophy.

Prerequisite: Any University or University/ College Preparation Course in Social Sciences and Humanities, English, or Canadian and World Studies



Social Sciences and the Humanities

HNB401

The Fashion Industry, Grade 12, Open

This course provides a historical perspective on fashion and design, exploring the origins, influence, and importance of fashion as an expression of national, cultural, religious, and personal identity. Students will learn about the many facets of the Canadian fashion industry, including both large-scale and small entrepreneurial enterprises, and its worldwide links, as well as gaining practical experience in garment design, production, and care. This course also refines students' skills used in researching and investigating various aspects of the fashion industry.

HIF104/5

Vie personnelle et familiale

This course is for Extended or French Immersion. For the English descriptor see Individual, Family and Social Living, Grade 9 or 10, Open.

HRF301

World Religions: Beliefs and Daily Life, Grade 11, Open

This course introduces students to the range and diversity of world religions, and examines how systems of belief affect individual lives and social relationships. Students will learn about a variety of religious beliefs, teachings, traditions, and practices. The course also helps students to develop skills used in researching and investigating topics related to world religions.

HRT3M1

World Religions: Beliefs, Issues, and Religious Traditions, Grade 11, University/College Preparation

This course enables students to discover what others believe and how they live, and to appreciate their own unique heritage. Students will learn about the teachings and traditions of a variety of religions, the connections between religion and the development of civilizations, the place and function of religion in human experience, and the influence of a broad range of religions on contemporary society. This course also introduces students to skills used in researching and investigating world religions.

Technological Education

BROAD-BASED TECHNOLOGY

The philosophy that underlies the teaching of broad-based technology is that students learn best by doing. The curriculum in this area takes an activity based, project-driven approach to learning that provides students with knowledge, skills, and experiences in the subjects of their choice. A student can take up to three credits in any broad-based courses. Courses are offered in the following subjects:

- Communications technology
- Computer technology
- Construction technology
- Green Industries
- Hairstyling and Aesthetics
- Health and personal services
- Hospitality and tourism
- Manufacturing technology
- Technological design
- Transportation technology

The broad-based technology courses are designed to be interdisciplinary,

emphasizing problem-solving techniques and the attainment of transferable skills. Broad-based technologies use the student's expertise and knowledge from a variety of subject disciplines—the goal being to integrate that knowledge in the solution to a problem. An example of a course of this nature is Communications Technology. Elements of audio, video, visual arts, photography, desktop publishing, and media studies are integrated to form the core elements of the course. The student taking a course of this type would be expected to use knowledge and skills from all areas of the curriculum in the solution of a communication problem.

EMPHASIS COURSE OPTIONS

These courses are usually a component of one of the broad-based technologies. They concentrate on the skills and knowledge that are specific to a particular technical field and offer a more in-depth study of the subject. Students may take up to three credits in any emphasis course.

PACKAGE PROGRAMS

Some secondary schools combine courses into a packaged program that frequently extends over more than one year. These packaged programs are usually career-oriented and specific to a field of technology, and they may involve apprenticeship programs. Following are examples of packaged programs:

- Cosmetology could be combined with English, chemistry, business studies, and cooperative education to form a package that is designed to prepare the student for entry into the field of hairstyling and to acquire credit towards apprenticeship.
- Ontario Youth Apprenticeship Program (OYAP) is available to students who are 16 years of age and who have completed a minimum of 16 credits, including Grade 10 English and Mathematics. Details of the OYAP program are available from the Guidance/Student Services Cooperative Education or the Technological Education/ Studies Departments in each school.