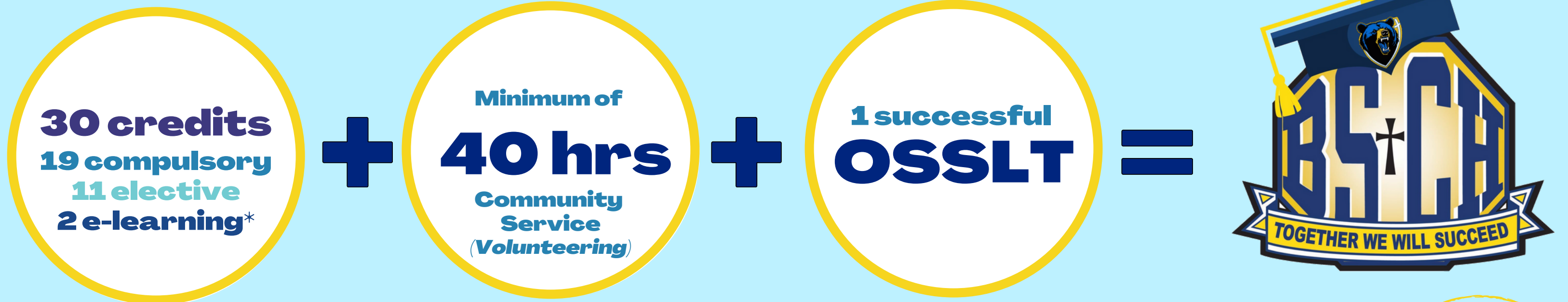


High School Graduation Requirements



e-Learning Graduation Requirement:

Beginning with students who entered Grade 9 in the 2020-21 school year, all students must earn at least **two online learning credits** as part of the requirements for an Ontario Secondary School Diploma (OSSD), unless they have opted out or been exempted. *A parent/caregiver/guardian or student (18 years of age or older or 16 or 17 years of age and withdrawn from parental control) may withdraw by submitting the e-Learning Opt Out/Withdrawal Form to their school. No explanation or reason is needed to opt out/withdraw.



Students must earn 30 credits

(19 compulsory and 11 optional credits)

- 4 credits in English (1 credit per grade)
- 1 credit in French as a second language
- 3 credits in mathematics
- 2 credits in science
- 1 credit in Canadian history
- 1 credit in Canadian geography
- 1 credit in the arts
- 1 credit in health and physical education
- 0.5 credit in civics and 0.5 credit in career studies
- 1 credit in technological education

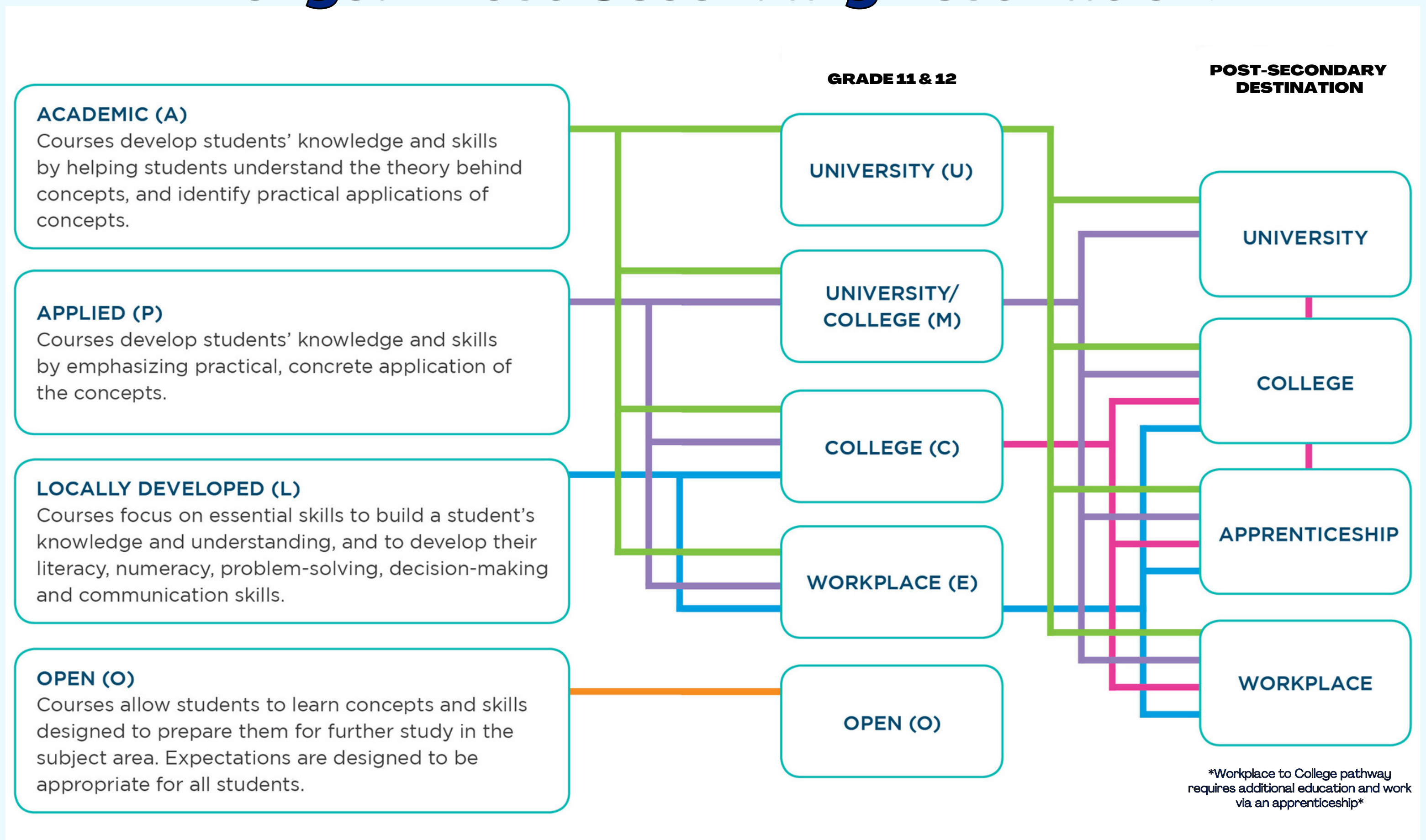
Plus one credit from each of the following groups:

Group 1: 1 additional credit in English, or French as a Second Language,** or a Native language, or a Classical or an International language, or Social Sciences and the Humanities, or Canadian and World Studies, or Guidance and Career Education, or Cooperative Education

Group 2: 1 additional credit in Health and Physical Education, or the Arts, or Business Studies, or French as a Second Language, or Cooperative Education

Group 3: 1 additional credit in Science (Grade 11 or 12), or Technological Education, or French as a Second Language, or Computer Studies, or Cooperative Education

High School Pathway Selection for your Post-Secondary Destination!



Minimum of
40 hrs
Community
Service
(Volunteering)



All secondary school students in Ontario must complete 40 hours of community involvement to receive their Ontario Secondary School Diploma (OSSD). Community involvement encourages students to develop:

An understanding of the roles that they play in their community; and greater sense of belonging within the community.

Students may start accumulating community involvement hours in the summer before they enter Grade 9.

Roles and Responsibilities of Students

In consultation with their parents/guardians, students may choose an activity provided that it is not an activity specified on the Ministry of Education's ineligible activities.

Please see the Ministry of Education website: to read through the Guidelines for Community Involvement.

The safety of students is paramount.

Students are not paid for community involvement activities.

Community involvement requirements must be met outside of regularly scheduled class time.

Community Involvement forms must be filled in and signed by the student, the student's parent/guardian, and the community sponsor (person/organization providing the community involvement opportunity for the student). These forms are available in the guidance office as well as online.

Students must submit the form to the guidance department upon completion of the 40 hours or upon completion of a specific activity.

Roles and Responsibilities of Parents/Guardians

Parents/guardians should provide assistance to their child in the selection of his/her community involvement activities. Parents/guardians are also encouraged to communicate with the community sponsor and the school principal if they have any questions or concerns. A parent must sign the Completion of Community Involvement Activities form if the student is under the age of 18 years.

Course Selection



Going into Grade 9?

Compulsory

Elective

MTH1W
or
MAT1L
Mathematics

ENL1W
or
ENG1L
English

FSF1D
French

SNC1W
or
SNC1L
Science

CGC1D
Geography

PPL10
Physical Education

HRE10
Religion

**Elective Course
Choice***

.....

ADA10
Drama

AMU10
Music

TAS10
Technology and the
Skilled Trades

NAC10
Expressions of First
Nations, Métis, and
Inuit Cultures

PAL10/PAF10
Hockey Program
***Application
Required***
No elective course in
Grade 9.

CGC1DF/FEF1D
Geography/Extended
French
***Strong oral and written
French skills
+ 5 other courses by
Grade 12 to receive
Extended French
Certificate.**

***Students must complete a technology course in either Grade 9 or Grade 10.**



Going into Grade 9?

Electives

ADA10 Drama



This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

NAC10 Expressions of First Nations, Métis, and Inuit Cultures



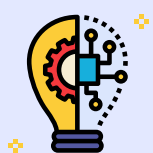
This course explores various arts disciplines (dance, drama, installation and performance art, media arts, music, storytelling, utilitarian or functional art, visual arts), giving students the opportunity to create, modify, present, and analyse art works, including integrated art works/productions, that explore or reflect First Nations, Métis, and Inuit perspectives and cultures. Students will examine the interconnected relationships between art forms and individual and cultural identities, histories, values, protocols, and ways of knowing and being. They will demonstrate innovation as they learn and apply art-related concepts, methods, and conventions, and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to creative arts challenges.

AMU10 Music



This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis process in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life.

TAS10 Tech/Skilled Trades



This hands-on course enables students to further explore the engineering design process and develop other technological knowledge and skills introduced in earlier grades. Students will design and safely create prototypes, products, and/or services, working with tools and technologies from various industries. As students develop their projects to address real-life problems, they will apply technological concepts such as precision measurement, as well as health and safety standards. Students will begin to explore job skills programs and education and training pathways, including skilled trades, that can lead to a variety of careers.

CGC1DF/ FEF1D Geography/ Extended French



This course explores Canada's distinct and changing character and the geographic systems and relationships that shape it. Students will investigate the interactions of natural and human systems within Canada as well as Canada's economic, cultural, and environmental connections to other countries. Students will use a variety of geotechnologies and inquiry and communication methods to analyze and evaluate geographic issues and present their findings.

PAL10/PAF10 Hockey Canada Skills Academy Program



This is a dual credit program that counts for a physical education credit as well as an elective credit for grade 9. This is a half day program that occurs in first semester. Application is required for the Hockey Canada Skills Academy program. There is a fee associated with participation if selected. Includes 60 hours of on-ice time.

Course Selection



Going into Grade 10?

In Grade 10 students need to determine their pathway, this helps them to work towards their post-secondary goals.

MPM2D-academic
MFM2P-applied
MAT2L -locally developed
 Mathematics

ENG2D - academic
ENG2P- applied
ENG2L- locally developed
 English

SNC2D-academic
SNC2P- applied
SNC2L-locally developed
 Science

CHC2D- academic
CHC2P- applied
CHC2L-locally developed
 Canadian History since WWI

CHV20/GLC20
 Civics & Careers

HRE20
 Religion

Elective Course Choice
#1

Elective Course
Choice #2

ADA20
 Drama

AMU20
 Music

TCJ20
 Construction
 Technology

TFJ20
 Hospitality &
 Tourism

AV120
 Visual Arts

ASM20
 Media Arts

CHC2DF/FEF2D
 History/Extended
 French
 *must be taken
 together for Extended
 French

TTJ20
 Transportation
 Technology

PAF20
 Fitness

PPL20
 Physical Education

FSF 2D
 French

ICD20
 Introduction to
 Computer Studies

CHV20/GLC20- (Civics and Careers) is offered in class (regular school year) and on-line in July. Students interested in taking this course in July must sign-up in April/May and must have parent permission and be aware that it is a semester long course condensed in 4 weeks. As a result they must choose another elective in place of Civics and Careers.

*Students must complete a technology course in either Grade 9 or Grade 10.



Going into Grade 10?

Electives

ADA20- Drama

This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.



AMU20 - Music

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.



ASM20 - Media Arts

This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works.



AVI20- Visual Arts

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring



TCJ20- Construction Technology

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.



TTJ20- Transportation Technology

This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues and will explore secondary and postsecondary pathways leading to careers in the transportation industry.



TFJ20- Hospitality & Tourism

This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues and will explore secondary and post-secondary pathways leading to careers in the tourism industry.



PAF20- Personal & Fitness Activities

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices.



PPL20- Physical Education

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices



ICD20 - Computer Studies

This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers.



CHC2DF

This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.

FSF2DF

This course emphasizes the continued development and refinement of students' oral communication, reading, and writing skills as they explore a variety of themes. Students will expand their knowledge and appreciation of francophone culture through the study and interpretation of novels, poems, and plays intended for a French-speaking audience.

These two courses are a required component of the Extended French program.



FSF2D Core French

This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.



Course Selection



Pre-requisite: a specific course or subject that you must complete before you can take another course at the next grade level. (If a pre-requisite course is required, it is listed below the course in italics and brackets).

M courses stand for "mixed" University/College courses.

Going into Grade 11?

MCR3U Functions (University)
MCF3M Functions & Applications (Mixed)
MBF3C- Foundations for College Mathematics (College)
MEL3E - Mathematics for Work & Everyday Life (Essential)
Mathematics
(MPM2D for U level, MPM2D/MFM2P for M or C level, MAT2L for E level)

NBE3U (University)
NBE3C (College)
NBE3E (Essential)
English
(ENG2D for U level, ENG2D/P for C level, ENG2L for E level)

***HRE3M**
***HRE3O**
 World Religions
 or
HRT3MM/HRE3OM
 World Religions (Faith, Art and Culture)

SBI3U -Biology (University)
SBI3C-Biology (College)
SCH3U- Chemistry (University)
SPH3U - Physics (University)
(SNC2D for U level classes, SNC2P for C level)

ADA3M
Dramatic Arts
(ADA10/ADA20 recommended)

AWQ3O
Photography

AMU3M/AVU3O
Music
(AMU10/AMU20)

AVI3M/AVI3O
Visual Arts
(NAC10/AVI20)

ASM3O
Media Arts
(any grade 9/10 arts course)

TPJ3C/3M
Healthcare

CLU3M
Understanding Canadian Law
(CHC2D/CHC2P)

TTJ3C
Transportation Technology

TCJ3C
Construction Technology

HPC3O
Parenting

TEJ3E/3M
Computer Engineering

TFJ3C
Hospitality & Tourism

PAF3O
Fitness

FEF3U
Extended French
(FEF2D)

HSP3C/3U
Anthropology/ Psychology/ Sociology

Co-operative Education
 Half Day or Full Day
**full day recommended for any student pursuing work in the trades*

ICS3C/3U
Computer Programming

PPL3O
Physical Education

FSF3U
Core French

BAF3M
Accounting

***HRT3M/HRF3O (World Religions)** will be offered in class (regular school year) and on-line in July. Students interested in taking this course in July must sign-up in April/May and have parent permission. They must choose another elective in place of World Religion. *

Grade 12 courses that can be taken in Grade 11 (if offered): HRE4MF (Religion, Extended French), IDC4U (Yearbook), PSK4U (Kinesiology), PLF4M (Leadership), SPH4C (Physics-College).

GRADE 11 e-Learning Courses
Prerequisite listed in brackets
HSP3UE/HSP3CE -Psych, Soc, Anthro (END2D)/(ENG2D/ENG2P)
PPZ3CE - Health For Life (None)
CHW3ME - World History to End of 15th Century (CHC2D/CHC2P)
SVN3ME- Environmental Science- University/College (SNC2D/SNC2P)
SNV3EE- Environmental Science- Workplace (SNC2P/SNC2L)



Going into Grade 11?

ADA3M- Drama

This course requires students to create and perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyze the functions of playwrights, directors, actors, designers, technicians, and audiences.



AMU3M - Music

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.



ASM30 - Media Arts

This course enables students to create media art works using available and emerging technologies such as computer animation, digital imaging, video, and a variety of media. Students will explore the elements and principles of media arts, the connections between contemporary media art works and traditional art forms, and the importance of using responsible practices when engaged in the creative process. Students will develop the skills necessary to create and interpret media art works.



AVI3M- Visual Arts

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emergent technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g. photography, video, computer graphics, information design).



TCJ3C- Construction Technology

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore career opportunities in the field.



TTJ3C- Transportation Technology

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.



TFJ3C- Hospitality & Tourism

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry.



TPJ3C/3M- Healthcare

This course enables students to develop their understanding of basic health care procedures, including the safe use of appropriate instruments, equipment, and materials. Students will focus on health care fundamentals, including the anatomical features and physiology of the major body systems and the factors that affect homeostasis in the human body. Students will develop an awareness of health and safety issues in the health care field, analyze environmental and societal issues related to health care, and learn about professional practice standards and career opportunities in the field.



PAF30- Personal & Fitness Activities

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills, and will be given opportunities to practice goal-setting, decision-making, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety. Course focus includes basic weight training and aerobic related activities, such as basic and step aerobics.



PPL30- Physical Education

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practice goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.



HSP3C/3U- Introduction to Anthropology, Sociology and Psychology

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science, and to become familiar with current thinking on a range of issues within the three disciplines.



HPC30- Parenting

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.



ICS3C/3U- Introduction to Computer Programming

This course introduces students to computer programming and computer science concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and post-secondary opportunities in computer-related fields.



TEJ3M- Computer Engineering

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about college and university programs leading to careers in computer engineering.



CLU3M- Understanding Canadian Law

This course explores Canadian law with a focus on legal issues that are relevant to people's everyday lives. Students will investigate fundamental legal concepts and processes to gain a practical understanding of Canada's legal system, including the criminal justice system. Students will use critical-thinking, inquiry, and communication skills to develop informed opinions on legal issues and apply this knowledge in a variety of ways and settings, including case analysis, research projects, mock trials, and debates.

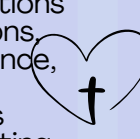


Co-operative Education

This course consists of a learning experience connected to a community and a cooperative education curriculum that incorporates relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply, extend, and refine skills and knowledge acquired in their related course or courses and will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being. They will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.

HRT3M/3O - World Religions

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.



HRT3MM- Faith, Art and Culture

This course provides students with opportunities to explore various world religions and belief traditions. Students will develop knowledge of the terms and concepts relevant to this area of study, will examine the ways in which religions and belief traditions meet various human needs, and will learn about the relationship between belief and action. They will examine sacred writings and teachings, consider how concepts of time and place influence different religions and belief traditions, and develop research and inquiry skills related to the study of human expressions of belief.

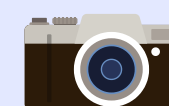
BAF3M- Financial Accounting Fundamentals

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and ethics and current issues in accounting.



AWQ30 - Photography

This course focuses on studio activities in one or more of the visual arts. Students will create art works that explore a wide range of subject matter, and will evaluate art works using specific criteria. This course will focus on the fundamentals of black and white photography.



FSF3U - Core French

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

FEF3U- Extended French

This course focuses on developing French-language skills through the study of Canadian francophone authors. Students will analyze a range of works and produce written assignments in a variety of genres, including the formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.





Course Selection

Going into Grade 12?

ENG4U
ENG4C
ENG4E
English

HRE4M
HRE4O
Religion

MAP4C- Foundations for College Mathematics
(*MBF3C/MCF3M/MCR3U*)

MCV4U - Calculus & Vectors (*MHF4U* or concurrently)

MDM4U- Data Management (*MCR3U/MCF3M*)

MEL4E- Mathematics for Work & Everyday Life (*MEL3E*)

MHF4U- Advanced Functions (*MCR3U*)

SBI4U -Biology (*SBI3U*)

SCH4U- Chemistry (*SCH3U*)

SCH4C-Chemistry (*SNC2D/2P*)

SPH4U - Physics (*SPH3U*)

SPH4C- Physics (*SNC2D/2P*)

ADA4M

Drama
(*ADA30/ADA3M*)

ASM4O

Media Arts
(*any Gr. 11 course in Arts*)

AWQ4M

Advanced
Photography
(*AWQ30*)

AMU4M

Music
(*AMU3M/3O*)

AVI4M

Visual Arts
(*AVI30/AVI3M*)

PSK4U

Introduction to Kinesiology
(*SBI3U*)

HHS4U/4C

Families in Canada
(*ENG3U/3C*)

IDC4U

Yearbook
(*ASM3M/AWQ3O recommended*)

TPJ4C/4M

Healthcare

TCJ4C

Construction
Technology
(*TCJ3C*)

TTJ4C/4E

Transportation
Technology
(*TTJ3C*)

TFJ4C

Hospitality and
Tourism
(*TFJ3C*)

BAT4M

Financial
Accounting
Principles
(*BAF3M*)

CLN4U

Law
(*ENG3U/Gr. 11 U*
or *M* course)

ICS4C/1CS4U

Computer
Science
(*ICS3C/3U*)

PAF4O

Fitness

PPL4O

Physical
Education

Co-operative Education

Half Day or Full Day*
*Full day recommended for students
pursuing work in the trades industry*

FEF4U

Extended
French
(*FEF3U*)

FSF4U

Core
French
(*FSF3U*)

PLF4M

Recreation
&
Leadership

GRADE 12 e-Learning Courses

EWC4CE/EWC4UE- Writer's Craft (*NBE3C/3U*)

HZT4UE -Philosophy (*U* or *M* course in *Soc. Sci/Eng/Cdn. Studies*)

CGW4CE/4UE- Geography World Studies (*NBE3C/3U*,
CGC1P/1D)

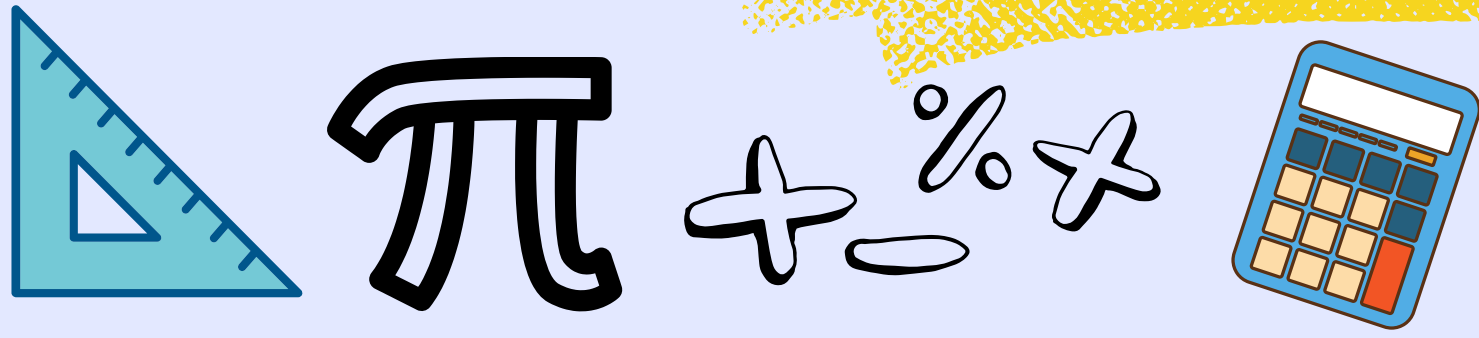
HSE4ME- Equity & Social Justice (*NBE3C/3U*)

HRE4ME/4OE- Religion

BAT4ME- Financial Accounting Principles (*BAF3M*)

BBB4ME- International Business Fundamentals

CHY4UE/4CE -World History (*NBE3C/3U*)



MAP4C- Foundations for College Mathematics

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

MCV4U- Calculus and Vectors (University)

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

MDM4U- Mathematics of Data Management (University)

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest.

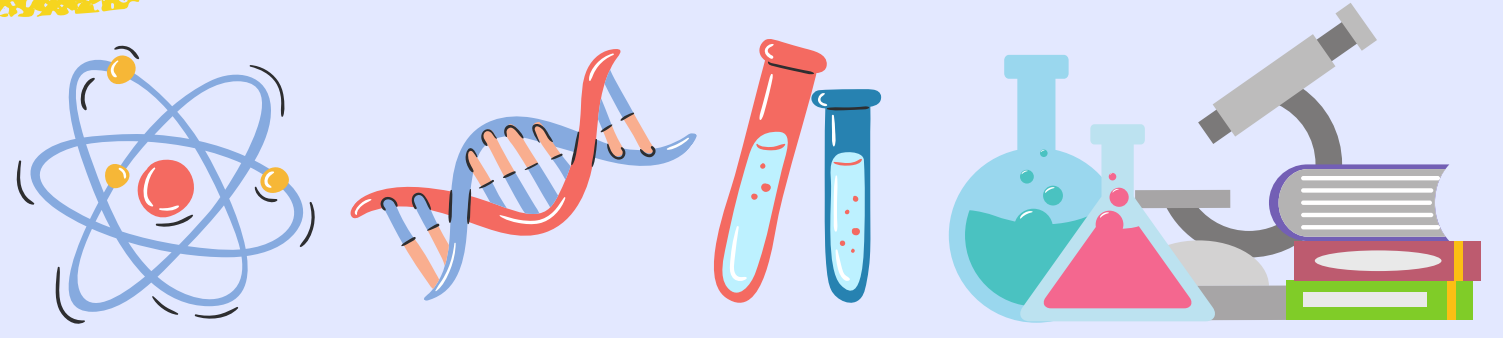
MEL4E - Mathematics of Everyday Life (Workplace II)

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs, create household budgets, and prepare a personal income tax return; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

MHF4U- Advanced Functions (University)

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

PLF4M- Recreation & Leadership This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical management, fitness and health promotion, and fitness leadership.



SBI4U- Biology (University)

This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields.

SCH4C- Chemistry (College)

This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment.

SCH4U- Chemistry (University)

This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment.

SPH4U- Physics (University)

This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data relating to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.

PSK4U- Introduction to Kinesiology

This course focuses on the study of human movement and of systems, factors and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration.



HHS4U- Families in Canada

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyze the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships.





SHSM - Specialist High Skills Major



The Specialist High Skills Major (SHSM) is a specialized program approved by the Ministry of Education that allows students to focus their learning on a specific economic sector while meeting the requirements of the Ontario Secondary School Diploma (OSSD).

These programs enable students to gain sector-specific skills and knowledge in engaging, career-related learning environments, and prepare in a focused way for graduation and postsecondary education, training or employment.

We offer the following **SHSM programs** at **Bishop Smith Catholic High School**:

Construction: The Specialist High Skills Major (SHSM) program in Construction gives students an opportunity to specialize, gain qualifications, and plan a career pathway in various areas of the Construction sector while still in high school. The SHSM Program has a number of required components, designed to give students a “leg-up” to pursue post-secondary opportunities in each of the identified sectors, valuing apprenticeship, college, university and work. The Construction Industry is diverse and offers the opportunity to participate in all kinds of projects such as office buildings, plants, schools, roads, hydroelectric dams, hospitals, churches, houses and tunnels. Large or small, the projects are managed, budgeted for, planned and built carefully and capably by people with the ingenuity, skill and education to create the buildings of tomorrow.

Health & Wellness: The demand for professionals in the Health and Wellness sector in Ontario and across Canada is increasing as the age of our population increases. As such, this sector has a wide variety of career opportunities and employs close to two million people across Canada. Kinesiologist, child care worker, fitness instructor, nurse, veterinary technician, hospital porter and medical technician are just some of the numerous occupations that the SHSM Health and Wellness program prepares students to pursue.

Hospitality & Tourism: The Specialist High Skills Major (SHSM) program in Hospitality and Tourism gives students an opportunity to specialize, gain qualifications, and plan a career pathway in various areas of the Hospitality and Tourism sector while still in high school. The SHSM Program has a number of required components, designed to give students a “leg-up” to pursue post-secondary opportunities in each of the identified sectors, valuing apprenticeship, college, community, university and the workplace. The five tourism industries in Canada include opportunities in hospitality and tourism, accommodation, food and beverage services, recreation and travel services. Tourism in Ontario is a dynamic, growing sector. Prospects for satisfying employment and career advancement in the hospitality industry have never been better, locally and world-wide.

Non-Profit: The Specialist High Skills Major (SHSM) program in Non-Profit gives students an opportunity to specialize, gain qualifications, and plan a career pathway in various areas of the Non-Profit sector while still in high school. The SHSM Program has a number of required components, designed to give students a “leg-up” to pursue post-secondary opportunities in each of the identified sectors, valuing apprenticeship, college, university and work. The Non-Profit sector offers a range of dynamic, engaging, and rewarding careers for those who share the sector’s common vision: to make a difference. The sector’s employers include some 69,000 non-profit organizations nationwide. These organizations are active in a variety of areas – health and social services, religion, development and housing, arts and culture, sports and recreation, environment, education and research, fundraising, law, advocacy, and politics and operate in Canada and throughout the world.

Transportation: The Specialist High Skills Major (SHSM) program in Information and Communications Technology (ICT) gives students an opportunity to specialize, gain qualifications, and plan a career pathway in various areas of the Information and Communications Technology sectors while still in high school. The SHSM Program has a number of required components, designed to give students a “leg-up” to pursue post-secondary opportunities in each of the identified sectors, valuing apprenticeship, college, university and work. Transportation is essential to our everyday life. Different modes of transportation including air, rail, road, water, cable, pipeline and space provide many career options for those interested in the field. In particular, skilled automotive service technicians are in great demand and require a breadth of knowledge from seat-belt systems to the latest diagnostic equipment.

For more information on SHSM Programming please visit: rccdsbpathways.ca



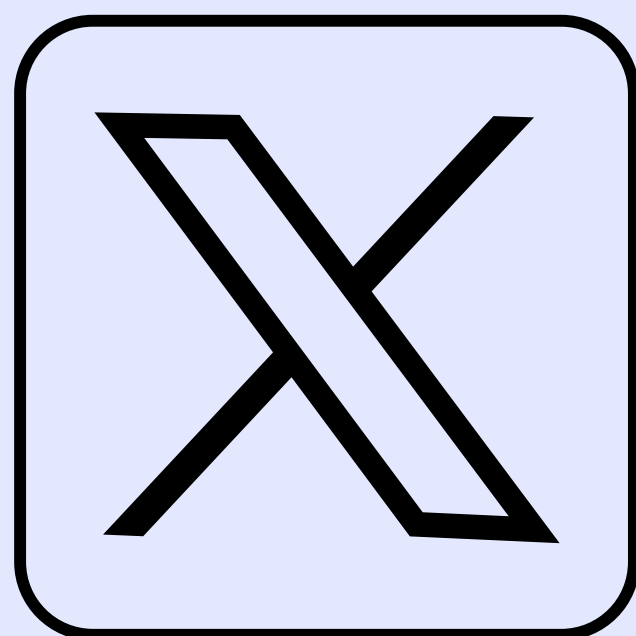
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