



SUPERIOR COLLEGIATE & VOCATIONAL INSTITUTE



2023-2024
**COURSE
CALENDAR**

Welcome Bienvenue Biindigen

SUPERIOR

COLLEGIATE AND VOCATIONAL INSTITUTE

School Colours
Blue, White and Black

School Team
Gryphons

Student Population
750

Founded
2009

Principal
Mr. R. McDonnell

Vice Principal
Mrs. M. Smelow
Mrs. K. Andrews

School Council Chair
Mrs. C. Silen
& Ms. Amy Johnson

Student Services Chair
Mrs. N. Niemisto

IB Coordinator
Ms. K. Watt

Family of Schools

Armstrong ● Bernier-Stokes ● Claude E. Garton (E) ● Five Mile ● Gorham and Ware
McKenzie ● St. James ● Vance Chapman

Grade 9 at Superior CVI | 2023-24

Students, along with Parents/Guardians, determine compulsory course type during Grade 9 Registration in February.

Mathematics - Pre-AP	MTH1WA	Science - Destreamed	SNC1W1
Mathematics - Academic (IB)	MTH1WB	Science - Locally Developed	SNC1L1
Mathematics - Destreamed	MTH1W1	French - Academic (IB)	FSF1DB
Mathematics - Locally Developed	MAT1L1	French - Academic	FSF1D1
English - Academic	ENG1D1	Geography - Academic	CGC1D1
English - Academic (IB)	ENG1DB	Geography - Academic (IB)	CGC1DB
English - Locally Developed	ENG1L1	Health and Physical Education - Open	PPL101
Science - IB	SNC1WB	FNMI Languages - Open	LNOA01

Students, along with Parents/Guardians, will select two (2) electives. A third choice will be indicated on the Welcome to Grade 9 form as a record for us in the event that a student's timetable does not allow for the first two choices.

Dance - Open	ATC101
Drama - Open	ADA101
Information & Communication Technology in Business - Open	BTT101
Exploring Technology - Open	TIJ101
Expressions of Aboriginal Culture - Open	NAC101
Music - Instrumental - Open	AMI101
Music - Strings - Open	AMS101
Visual Arts, Open	AVI101



SUPERIOR

COLLEGIATE AND VOCATIONAL INSTITUTE

WE ARE SUPERIOR

Superior CVI is an exciting school community where every student can learn, grow and be successful and where the learning environment is safe and stimulating. We welcome and we celebrate diversity and inclusion. We are proud to host the International Baccalaureate Programme at Superior!

Excellence

Everyone is held to a high standard of achievement and effort. Everyone – students, staff, School Council members, volunteers, and our broader school community – are challenged to exceed all expectations. We produce Science Olympics teams, Manufacturing Technology partnerships and award winning students, Science Fair award winning projects, artists and entrepreneurs for every education and career pathway. The After-School Kickstart Information Technology (Grade 9 Credit) is a wonderful opportunity for Grade 8 students to explore the wonders of technology while achieving a credit before beginning high school! We are proud to offer a second Kickstart credit in Instrumental Music. Superior is proud to offer students two successful Specialist High Skills Majors: Health & Wellness and Manufacturing | Welding.

Innovation

Superior is home to a state-of-the-art communication technology and broadcast studio which is comparable to some college and university facilities. Students broaden their experiences in the SCVI Makerspace Lab where 3D modelling comes alive!

Creativity

Our artists continue to explore their creativity in all subject areas! We welcome the community each year to dynamic dramatic performances and exceptional musical concerts and events.

Citizenship

Superior students choose to be active participants in high school life by their involvement on Natural Helpers, Student Government, Aboriginal Student Committee, GSA, Travel Club and Exchange Programs. Gryphons are proud of their community spirit and annually lead campaigns to raise money for Christmas Cheer and the United Way.

SCVI Vision and Mission Statements

OUR VISION:

Committed to the inspiration and preparation of successful learners and leaders in an ever-changing world.

OUR MISSION:

Superior CVI is a caring and innovative community committed to the development of informed, engaged, responsible and respectful citizens of local, national and global communities.

These aspects of citizenship are achieved through academic rigor, environmental stewardship, intercultural understanding and the pursuit of positive relationships, health and well-being.

Our community of learners strives to embody the values of integrity, inclusion, responsibility, empathy and respect.



IB WORLD SCHOOL

Superior Collegiate & Vocational Institute is proud to offer the International Baccalaureate Programme, consisting of two years of IB Preparatory courses in Grades 9 and 10, followed by the Diploma Programme in Grades 11 and 12. The IB Programme, a symbol of academic integrity in over 157 countries, is designed for students who are looking for a challenge as they enter high school, and are seeking classmates who have similar interests and attitudes towards school.

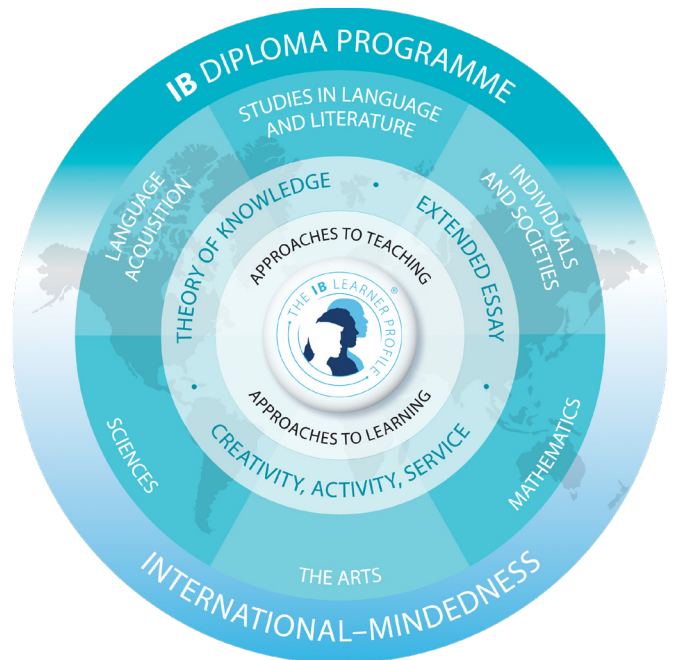
The core of the Programme consists of a 4000 word extended essay, a course on the Theory of Knowledge and involvement in Creativity, Activity and Science.

The Grade 9 and 10 IB Preparatory courses at Superior CVI are designed to prepare and evaluate students for entry into the International Baccalaureate Programme. These courses cover The Ontario Curriculum in addition to providing enrichment in content and skill development. The pace of learning is faster than the corresponding course at the regular academic level, and the activities challenge the students to problem solve in innovative ways. Successful students will demonstrate curiosity, motivation, responsibility, and sound work habits. These courses, will prepare students for the challenges of the Diploma Programme. The central components will help students develop such skills as:

- time management
- organization
- study skills
- a sense of community responsibility
- compassion for and interest in other cultures and beliefs

The IB Diploma model is based on the pattern of no single country while incorporating the best of many. It has been designed as a comprehensive two-year course of study in Grades 11 and 12, that will allow its graduates to fulfill the Ontario diploma requirements and complete the International Baccalaureate components in preparation for international examinations.

The curriculum is displayed in the shape of a circle with six academic areas surrounding the core. The six subjects are studied concurrently over the two years and students are required to take courses from both the Humanities and the Sciences, one from each of the six subject groups.



Students who complete the Diploma requirements place themselves at an advantage as they enter university, as the advanced nature of the IB curriculum exposes students to a significant amount of first-year university content. The IB Programme is open to all students in Thunder Bay, regardless of elementary school, and attracts students from outside the city, the province, and even the country.

IB graduates gain admission to select universities around the world. Formal agreements exist between the IBO and many ministries of education and private institutions. Many North American colleges and universities offer special scholarships, advanced standing or course credit to students with strong IB examination results.

For a complete list of the post secondary institutions and their entrance policies, refer to www.ibo.org

For more information on the IB Programme, please contact Karen Watt, IB Coordinator at (807) 625-4001.

SELECTION & PLANNING

Diplomas and Certificates

Ontario Secondary School Diploma (OSSD)

In order to earn an Ontario Secondary School Diploma (OSSD), a student must earn a minimum of 30 credits accumulated as follows:

18 Compulsory Credits

- 4 credits in English (1 per Grade)*
- 3 credits in Mathematics (at least 1 in Gr 11 or 12)
- 2 credits in Science
- 1 credit in the Arts**
- 1 credit in Canadian Geography (Gr 9)
- 1 credit in Canadian History (Gr 10)
- 1 credit in French as a Second Language or Native Language***
- 1 credit in Health and Physical Education
- 0.5 credit in Career Studies
- 0.5 credit in Civics

3 additional credits, consisting of 1 credit from each of the following groups:

Group 1 - English (including the Ontario Secondary School Literacy Course), French as a second language, classical languages, international languages, Native languages, Canadian and world studies, FNMI studies, social sciences and humanities, guidance and career education, cooperative education.

Group 2 - French as a second language, the arts, business studies, health and physical education, cooperative education.

Group 3 - French as a second language, science (Grade 11 or 12), computer studies, technological education, cooperative education.

The following conditions apply to selections from the above three groups: A maximum of 2 credits in French as a second language may count as additional compulsory credits, 1 credit from Group 1, and 1 credit from either Group 2 or 3.

A maximum of 2 credits in cooperative education may count as additional compulsory credits, selected from any of Groups 1, 2, or 3.

12 elective credits

40 hours of community involvement activities

Ontario Secondary School Literacy Requirement

* The Ontario Secondary School Literacy Course (OSSLC) may be used to meet either the Grade 11 or 12 English compulsory credit requirement. The Grade 11 Understanding First Nation, Métis, and Inuit Voices course may be used to meet the Grade 11 English compulsory credit requirement. For English language learner, the requirement may be met through earning a maximum of 3 credits in English as a second language (ESL) or English Literacy Development (ELD); the fourth must be a Grade 12 compulsory English course.

** The Grade 9 Expressing Aboriginal Cultures course may be used to meet the compulsory credit requirement in the arts.

*** Students who have taken Native languages in the place of French as a second language in

elementary school may use a Level 1 or 2 Native language course to meet the compulsory credit requirement for French as a second language.

** 2 mandatory eLearning Credits

* The Ontario Ministry of Education has introduced a new graduation requirement for secondary students to complete two online e-Learning credits as part of the 30 credits required for the OSSD. Students may withdraw/opt out of this new requirement and graduate with an OSSD

Students who opt out of this new requirement may still enroll in e-Learning Courses.

Ontario Secondary School Certificate (OSSC)

In order to earn an Ontario Secondary School Certificate (OSSC), a student must achieve 14 credits distributed as follows:

Compulsory Credits

- 2 credits in English
- 1 credit in Canadian Geography or Canadian History
- 1 credit in Mathematics
- 1 credit in Science
- 1 credit in Health & Physical Education
- 1 credit in the Arts or Technological Education

Elective Credits

7 credits selected by the student from available courses

Certificate of Accomplishment

Students who leave school before fulfilling the requirements for the Ontario Secondary School Diploma or the Ontario Secondary School Certificate may be granted a Certificate of Accomplishment.

The Certificate of Accomplishment may be a useful means of recognizing achievement for students who plan to take certain vocational programs (i.e. March of Dimes) or other kinds of further training, or who plan to find employment after leaving school.

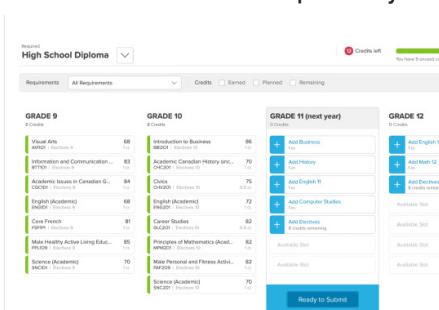
What is an Individual Education Plan? (IEP)

An Individual Education Plan is a written plan that describes the special education program and/or services required by a particular student. It may identify accommodations, modified learning expectations and/or alternative learning expectations.

XELLO

Xello is the web-based planner you will use to manage

your IPP. It is also the course selection tool that will help you set up your high school courses in alignment with your graduation requirements and career goals.



Your Individual Pathways Plan (IPP)

All Ontario secondary students will create their own Individual Pathways Plan (IPP). This is the primary planning tool that you will use as you move through school to your initial post-secondary destination.

Your Individual Pathways Plan (IPP) will help you find the answers.

Everything you learn about courses, careers and pathways will be stored in your IPP. You will be able to access all this valuable information as you begin planning your life after high school.

A career is your path through life.

In high school, you will have to make decisions about education, learning, different jobs, work (paid and unpaid), family life, friendships, community involvement and leisure activities.

Career development requires you to understand who you are and what opportunities you have in both the world and the workplace, so that you can begin to make decisions about your future. Career development involves understanding your own strengths and interests, goal-setting, decision-making and awareness of opportunities.

Jobs in the future will belong to people with skills, attitudes and behaviours that include academic abilities, personal management skills and teamwork strategies.

You will need to have good work habits and the ability to make sound decisions, solve problems, plan effectively, work independently, communicate well, do research, evaluate yourself realistically, and explore new educational and career opportunities.

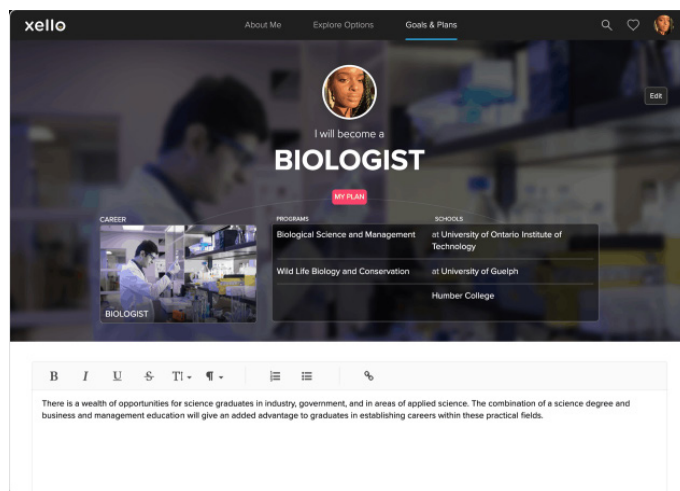
Student Services Guidance Counsellors will be a valuable resource for searches, course selection, career exploration, support and so much more. Talk to your counsellor about your ideas, goals, and dreams.

Explore Options, Goals & Plans

Use this walkthrough to learn about Explore Options and Goals & Plans. These activities help students open their eyes to the many different futures available to them. Once they've been introduced to the wide range of careers, have delved into self-knowledge, and have defined a goal, Xello prompts them to come full circle and narrow the pathways required to reach those future goals.

Explore Options

Whether you want to start your journey by exploring careers, schools, or majors, you can start from Explore Options. Let's start with Careers.



Explore Careers

- Select *Explore Options* in the top menu.
- Select *Careers* and you'll see your top 20 best-matched careers. By default, careers are sorted by the strength of your match to the career: Excellent, Good, Fair, or Poor.
- Browse through the list and select *View More* to see another 20 careers. You can keep expanding the list.



TIP: Explore the dynamic filters by clicking *More Filters*. You can narrow your list based on factors like earnings, related clusters, and job outlook.

Deep Dive on a Career

Xello includes hundreds of career profiles that are accessible and engaging. To view a career profile, select a career that interests you. Select *Find Out Why* to see how the answers you gave in your assessments contributed to your match score.

Select *Save* next to the heart icon to save a favourite career, indicate how you feel about it, and explore further with investigative prompts.

Make your way to the bottom of the career profile page, scrolling past the job description, earnings, and down to the education and training; you'll see a list of links under *Related Programs*. Choose one to take you to *Explore Programs*.



TIP: Saving your options will help you experience a curated Xello journey as activities are specially tuned to your interests and favourites. You can visit your saved options from any page by clicking the heart icon in the top menu bar.

Explore Programs

Once on the *Explore Programs* page, the link you chose from the career profile will be applied as a filter to the program results. Apply other filters to further narrow results.

Time to Explore!

Choose a program to bring up its profile. On each program you will see details such as admission requirements, costs, similar programs, at this and other schools. From the right of the profile, select *Save* to record it to your favourites.



TIP: You can access Programs and Schools from the top of any page.

Explore Schools

To explore more about the specific school, select the school name under the section titled *Offered By*. From here you can learn about cost, enrollment, programs, campus housing, similar schools, and even the local weather, and an interactive campus map. Select *Save* to record it to your favourites.

Xello works hard to prompt you to discover a path that parallels your skills and interests, but sometimes your best inspiration will be stumbled upon by surprise. So if you'd like to cut loose and browse all careers, schools, and programs, select the *Explore Options* link again and select the appropriate section to begin exploring, applying filters, and saving your favourites.

Goals & Plans

Once you've explored your career, program, and school options, bring your knowledge full circle and build a plan to connect all the dots. From the navigation bar at the top of the page, select *Goals & Plans* and then *Create Plan*.

Choose one of the three starting points: career, school, or program; and give your plan a name. Select *Next* and use your saved options to choose a path in your future.

Once completed, you can personalize your plan by adding comments and media to your storyboard. Create multiple plans and compare them on the Goals & Plans page.



Stay up-to-date on everything that's happening at school with Edsby. Edsby is an online learning management system that connects students, parents and teachers. Login to Edsby to stay up to date on classwork, grades and learning resources. Edsby will even remind you when something is due - whether it is to hand in an assignment, or to go to soccer practice.

Use your school login to login to Edsby at lakehead.edsby.com or download the Edsby app from your app store.

Need2Know

Current Grade 9s

For Grade 10, you will have five compulsory courses plus three electives.

Current Grade 10s

You will take an English and a Math course, plus six other elective credits. You should be considering your Groups 1, 2, and 3, as well as prerequisites you may be required to take in Grade 12 for Apprenticeship, College or University programs after high school.

Current Grade 11s

You are choosing your one English and at least five other courses. You must ensure you will graduate with a minimum of 30 credits including 18 compulsory credits.

If you have attempted the Ontario Secondary School Literacy Test and have been unsuccessful, you should include OLC40 as a course choice.

Please note: If you received 50% in a course, you should talk to your subject teacher about the appropriate next step.

Students wishing to attend college or university are reminded that they must meet specific entrance requirements:

University – at least six (6) Grade 12 “U” or “M” courses and in many cases a designated overall average (70% for Lakehead University).

Students must also meet courses prerequisites for certain post secondary programs.

For a comprehensive list of Universities and programs, as well as prerequisites and admissions requirements, visit: www.ontariouniversitiesinfo.ca

College – at least Grade 12, College English. Specific senior mathematics courses are also required for technology programs.

To explore college programs and admissions requirements, visit: www.ontariocolleges.ca

For more information on trades, visit: www.skilledtrades.ca

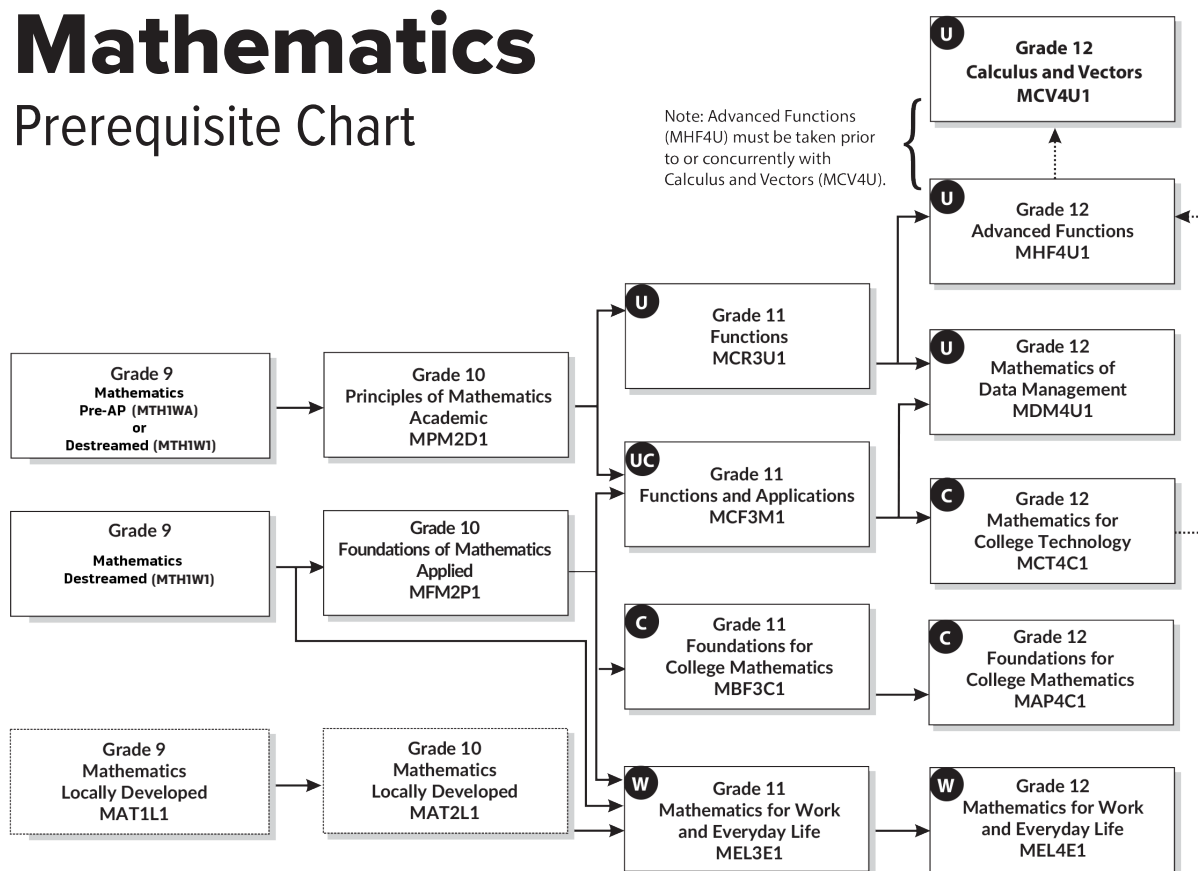
General information: www.osca.ca





Mathematics

Prerequisite Chart



Course Code Information

5th Character Course Pathways

Academic (D) Applied (P) University (U) College (C) Workplace (E)
Abbreviations LDCC=Locally Developed Compulsory Course (L) U/C=University/College (M)

6th Character Designations

A=Advanced Placement B=IB Programme D=Dual Credit E=eLearning F=French Immersion
R=No Previous Experience Required S=Specialist High Skills Major W=Destreamed O=Open 1=1 Credit 2=2 Credit
5= ½ Credit

SCVI COURSES

The Arts

Descriptions Pages 13 - 15

		Code	Prerequisite
Dance			
Dance - Open		ATC201	
Dance - Open		ATC301	ATC101 or 201
Dance - Open		ATC4M1	ATC301
Drama			
Drama - Open		ADA201	
Drama - Open		ADA301	ADA101 or 201
Drama - U/C		ADA4M1	ADA301
Music			
Music - Open	Instrumental Band	AMI201	AMI101 Strongly Recommended
Music - U/C	Instrumental Band	AMI3M1	AMI101 or 201
Music - U/C	Instrumental Band	AMI4M1	AMI3M1/B
Music - Open	Guitar	AMG201	
Music - Open	Guitar	AMG301	AMG101 or 201
Music - U/C	Guitar	AMG4M1	AMG301
<i>** Students must have their own guitar</i>			
Music - Open	Strings	AMS201	AMS101 Strongly Recommended
Music - Open	Strings	AMS301	AMS101 or 201
Music - U/C	Strings	AMS4M1	AMS301/B
Music - Open	Repertoire	AMR201	AMI101/B Strongly Recommended
Music - U/C	Repertoire	AMR3M1	AMI101 or 201
Music - U/C	Repertoire	AMR4M1	AMR3M1
<i>**This course will be offered after school in addition to your regular course selections. Please see your Student Services Guidance Counsellor to register for this course</i>			
Music - Open	Vocals	AMV201	
Music - U/C	Vocals	AMV3M1	AMV201
Music - U/C	Vocals	AMV4M1	AMV3M1
Visual Arts			
Visual Arts - Open		AVI201	
Visual Arts - Open		AVI301	AVI101 or AVI201
Visual Arts - U/C		AVI3M1/B	AVI101 or 201
Visual Arts - U/C		AVI4M1/B	AVI301 or 3M1/B

Business Studies

Descriptions Pages 15

Code

Prerequisite

Business

Introduction to Business - Open	BBI201	
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Entrepreneurial Studies

Entrepreneurship: The Venture - College	BDI3C1	
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International Business

International Business Fundamentals - U/C	BBB4M1	
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International Business Fundamentals - U/C	eLearning	BBB4ME
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Business Leadership

Business Leadership Management - U/C	eLearning	BOH4ME
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Canadian and World Studies

Descriptions Pages 15 - 16

Code

Prerequisite

Civics (Politics)

Civics & Citizenship - Open	½ Credit	CHV205	
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Civics & Citizenship - Open	½ Credit	eLearning	CHV20E	~
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~ Eligibility: Open to all students

Geography

Travel & Tourism: A Geographic Perspective - Open	CGG301	CGC1D1
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World Issues: A Geographic Analysis - University	CGW4U1/B	See Page 15
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The Environment and Resource Management - U/C	eLearning	CGR4ME	See Page 15
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History

Canadian History Since World War I - Academic	CHC2D1/B	
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Canadian History Since World War I - Applied	CHC2P1
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World History to the End of the Fifteenth Century - U/C	CHW3M1/B	CHC2D1/B or 2P1
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World History since the Fifteenth Century - University	CHY4UB	See Page 15
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Law

Understanding Canadian Law in Everyday Life - Workplace	CLU3E1	CHC2P1
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Understanding Canadian Law - U/C	CLU3M1	CHC2D1 or 2P1
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Classical and International Languages

Descriptions Page 16

Code

Prerequisite

Classical and International Languages, Spanish, Level 1, Academic	LWSBD1/B	
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Classical and International Languages, Spanish, Level 2, U/C	LWSCU1/B	LWSBD1/B
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Computer Studies

Descriptions Page 17

Code

Prerequisite

Digital Technology and Innovations in the Changing World - Open	ICD201	None
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Introduction to Computer Science - University	ICS3U1	None
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Computer Science - University	ICS4U1	ICS3U1/B
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English

Descriptions Page 17 - 18		Code	Prerequisite
Compulsory English - Academic		ENG2D1/B	ENG1D1/B
Compulsory English - Applied		ENG2P1	ENG1D1
Compulsory English - LDCC		ENG2L1	ENG1L1
Compulsory English - Understanding Contemporary First Nations, Métis, and Inuit Voices - University		NBE3U1	ENG2D1/B
Compulsory English - University (IB)		ENG3UB	ENG2DB
Compulsory English - College		ENG3C1	ENG2P1
Compulsory English - Workplace		ENG3E1	ENG2L1
Compulsory English - University		ENG4U1/B	ENG3UB or NBE3U1
Compulsory English - University	eLearning	ENG4UE	ENG3UB or NBE3U1
Compulsory English - College		ENG4C1	ENG3C1
Compulsory English - Workplace		ENG4E1	ENG3E1
Studies in Literature - University		ETS4UB	ENG3UB
The Writer's Craft - University	eLearning	EWC4UE	ENG3UB or NBE3U1

First Nations, Métis, and Inuit Languages

Descriptions Pages 18		Code	Prerequisite
FNMI Languages: Ojibwe, Level 1 - Open		LNOA01	
FNMI Languages: Ojibwe, Level 2 - Open		LNOB01	See Page 18
FNMI Languages: Ojibwe, Level 3 - Open		LNOC01	See Page 18

French as a Second Language

Descriptions Page 18 - 19		Code	Prerequisite
Core French - Academic		FSF2D1/B	FSF1D1/B
Core French - University		FSF3U1/B	FSF2D1/B
Core French - University		FSF4U1/B	FSF3U1/B

Guidance and Career Education

Descriptions Page 19		Code	Prerequisite
Career Studies - Open	½ Credit	GLC205	
Career Studies - Open	½ Credit	GLC20E	~
~ Eligibility: Open to all students			
Creating Opportunities through Cooperative Education - Open (2 Credits)		DC030C	
Cooperative Education - Open	2 Credit	COP4X2	

Health and Physical Education

Descriptions Pages 19	Code	Prerequisite
Healthy Active Living Education - Open - Co-ed	PPL201	
Healthy Active Living Education - Open - Co-Ed	PPL301	
Personal Lifetime Fitness - Open - Co-Ed	PAF301	
Healthy Active Living Education - Open - Co-Ed	PPL401	
Health for Life - College - eLearning	PPZ3CE	

Interdisciplinary Studies

Descriptions Pages 19	Code	Prerequisite
Interdisciplinary Studies - Open	IDC401	

Mathematics

Descriptions Pages 20	Code	Prerequisite
Principles of Mathematics - Academic	MPM2D1/B	MTH1W1/A/B
Foundations of Mathematics - Applied	MFM2P1	MTH1W1
Mathematics - LDCC	MAT2L1	MAT1L1
Functions - University	MCR3U1/B	MPM2D1/B
Functions and Applications - U/C	MCF3M1	MPM2D1/B or MFM2P1
Foundations for College Mathematics - College	MBF3C1	MPM2D1/B or MFM2P1
Math for Work and Everyday Life - Workplace	MEL3E1	MTH1W1 or MAT2L1
Advanced Functions - University	MHF4U1/B	MCR3U1/B or MCT4C1
Calculus and Vectors - University	MCV4U1/B	MHF4U1/B (or concurrently)
Data Management - University	MDM4U1	MCR3U1/B or MCF3M1
Foundations for College Mathematics - College	MAP4C1	MBF3C1 or MCF3M1

Science

Descriptions Pages 20 - 21	Code	Prerequisite
Science - Academic	SNC2D1/B	SNC1W1/B
Science - Applied	SNC2P1	SNC1W1
Biology - University	SBI3U1/B	SNC2D1/B
Biology - College * Not offered - will be offered every second year.	SBI3C1	SNC2D1 or 2P1
Biology - University	SBI4U1/B	SBI3U1/B
Chemistry - University	SCH3U1/B	SNC2D1/B
Chemistry - University	SCH4U1/B	SCH3U1/B
Chemistry - College	SCH4C1	SNC2P1 or 2D1
Physics - University	SPH3U1/B	SNC2D1/B
Physics - University	SPH4U1/B	SPH3U1/B
Environmental Science - U/C	SVN3M1	SNC2P1 or 2D1
Environmental Science - Workplace	SVN3E1	SNC1W1, SNC1L1

Social Sciences and Humanities

Descriptions Pages 22

Code

Prerequisite

Family Studies

Food and Nutrition - Open	HFN201	
Food and Culture - Workplace	HFC3E1	
Nutrition and Health - University	HFA4U1	See Page 21

General Social Science

Housing and Home Design - Open	HLS301	
Introduction to Anthropology, Psychology, and Sociology - University	HSP3U1	See Page 21
Introduction to Anthropology, Psychology, and Sociology - College	HSP3C1	
Challenge and Change in Society - University	HSB4U1	See Page 21
Challenge and Change in Society - University eLearning	HSB4UE	See Page 22
Human Growth and Development Throughout the Lifespan - U/C	HHG4M1	See Page 22
Personal Life Management - Open	HIP401	

Philosophy

Philosophy: The Big Questions - University	HZT4U1	See Page 22
Philosophy: The Big Questions - University IB	HZT3M5	

Technological Education

Descriptions Pages 22 - 25

Code

Prerequisite

Communications Technology

Communications Technology - Open	TGJ201	
Communications Technology: Interactive Media - U/C	TGJ3M1	
Communications Technology: Interactive Media - U/C	TGJ4M1	TGJ3M1
Communications Tech: Print and Graphic Communications - U/C - Yearbook	TGG3M1	
Communications Tech: Print and Graphic Communications - U/C - Yearbook	TGG4M1	TGG3M1

Computer Technology (Electronics)

Computer Engineering Technology - U/C	TEJ3M1	
Computer Engineering Technology - U/C	TEJ4M1	TEJ3M1

Youth Fusion Program - Computer Game Design

Full Year Course Pairing

Computer Engineering - Open	TEJ201
Technological Design - Open	TDJ201

This pairing includes a portion on Computer Game Design

Construction Technology

Construction Technology - Open	TCJ201	
Construction Technology - College	TCJ3C1	
Construction Technology - Workplace	TCJ3E1	
Construction Technology - College	TCJ4C1	TCJ3C1
Construction Technology - Workplace	TCJ4E1	TCJ3E1
Construction Technology - Custom Woodworking - Workplace	TWJ3E1	None

Health and Personal Services Technology

Health Care - U/C		TPJ3M1	
Health Care - College		TPJ3C1	
Health Care - U/C		TPJ4M1	TPJ3M1
Health Care - College		TPJ4C1	TPJ3C1

Manufacturing Technology

Manufacturing Technology - Open		TMJ201	
Manufacturing Technology: Welding - College	2 Credit	TMJ3C2	
Manufacturing Technology: Welding - Workplace	2 Credit	TMJ3E2	
Manufacturing Technology: Welding - College	2 Credit	TMJ4C2	TMJ3C2
Manufacturing Technology: Welding - Workplace	2 Credit	TMJ4E2	TMJ3E2

Transportation Technology

Transportation Technology - Open		TTJ201	
Transportation Technology: Auto Service - College		TTA3C1	
Transportation Technology: Auto Service - College		TTA4C1	TTA3C1
Transportation Technology: Auto Service - Workplace		TTJ4E1	TTA3C1



HOME OF THE GRYPHONS!

COURSE DESCRIPTIONS

The Arts Dance

Dance
Grade 10 **ATC201**
Open

This course emphasizes the development of students' technique and creative skills relating to the elements of dance and the tools of composition in a variety of performance situations. Students will identify responsible personal and interpersonal practices related to dance processes and production, and will apply technologies and techniques throughout the process of creation to develop artistic scope in the dance arts.

Prerequisite: None

Dance
Grade 11 **ATC301**
Open

This course emphasizes the development of students' movement vocabulary relating to global dance genres, and of their understanding of the elements of dance and the tools of composition in a variety of performance situations. Students will research and explain how physical, intellectual, and artistic skills developed in dance can be applied in a wide range of careers. They will apply technologies and techniques throughout the process of creation and presentation, and reflect on how studies in the dance arts affect personal identity.

Prerequisite: ATC101 or 201

Dance
Grade 12 **ATC4M1**
University / College

This course emphasizes the development of students' technical proficiency, fluency in the language of movement in dance genres from around the world, and understanding of dance science. Students will explain the social, cultural, and historical contexts of dance; apply the creative process through the art of dance in a variety of ways; and exhibit an understanding of the purpose and possibilities of continuing engagement in the arts as a lifelong learner.

Prerequisite: ATC301

Drama

Drama
Grade 10 **ADA201**
Open

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.

Prerequisite: None

Drama
Grade 11 **ADA301**
Open

This course requires students to engage in dramatic processes and the presentation of dramatic works, and emphasizes the application of drama skills in other contexts and opportunities. Students will interpret and present works in a variety of dramatic forms, create and script original works, and critically analyse the processes involved in producing dramatic works. Students will develop a variety of skills related to collaboration and the presentation of dramatic works.

Prerequisite: ADA101 or ADA201

Drama
Grade 12 **ADA4M1**
University/College

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other text and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.

Prerequisite: ADA301

Music

Music - Instrumental Band
Grade 10 **AMI201**
Open

This course emphasizes the creation and performance of music at a beginner level and although there is no prerequisite, AMI101 is recommended. Students will continue to develop musical literacy skills and performance skills on a woodwind, brass, or percussion instrument. Students will continue to develop an understanding of the elements of music, musical terminology, and the foundation of theory and apply these concepts in a range of activities. Collaborative activities in sectionals and full ensemble work continue to be a major focus in this course.

Prerequisite: None (AMI101 Strongly Recommended)

Music - Instrumental Band
Grade 11 **AMI3M1**
University/College

This course is a continuation of the AMI201 course. This course emphasizes the creation and performance of music at an intermediate level. Students will continue to develop musical literacy skills and upper level performance skills on a woodwind, brass, or percussion instrument in ensemble and solo work. Students will continue to develop an understanding of the elements of music, musical terminology, the foundation of theory, and dynamic nuance and apply these concepts in a range of activities. Collaborative activities in sectionals, sectional leadership opportunities, and full ensemble work continue to be a major focus in this course. Concert Band and Jazz arrangements will be studied.

Prerequisite: AMI201

Music - Instrumental Band
Grade 12 **AMI4M1**
University/College

This course is a continuation of the AMI3M1 course. This course emphasizes the creation and performance of music at an advanced level in both Concert Band and Jazz genres. Students will continue to develop musical literacy skills and upper level performance skills on a woodwind, brass, or percussion instrument in ensemble and solo work. Students will continue to develop an understanding of the elements of music, musical terminology, the foundation of theory, and dynamic nuance and apply these concepts in a range of activities. Collaborative activities in sectionals, sectional leadership opportunities, and full ensemble work continue to be a major focus in this course.

Prerequisite: AMI3M1

Music - Guitar
Grade 10 **AMG201**
Open

This course emphasizes the creation and performance of music at a beginner level. Students will develop musical literacy skills and performance skills on acoustic guitar. Students will develop an understanding of musical terminology and the foundation of theory and apply these concepts in a range of activities. Collaborative activities in sectionals and full ensemble work will be a major focus in this class. Students will learn how to read music and finger pick melody as well as shaping chords. Solo and collaborative work will be major focuses in this course.

Prerequisite: None, but AMI101 is recommended. Students should have their own guitars.

Music - Guitar**Grade 11**

This course develops students' musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their life and their careers.

Prerequisite: AMG101 or AMG201

AMG301**Open****Music - Guitar****Grade 12**

This course is a continuation of the AMG3M1 course. This course emphasizes the creation and performance of music at an advanced level. Students will continue to develop musical literacy skills and upper level performance skills on the guitar in ensemble and solo work. Students will continue to develop an understanding of the elements of music, musical terminology, the foundation of theory, and dynamic nuance and apply these concepts in a range of activities. Collaborative activities in sectionals, sectional leadership opportunities, and full ensemble work continue to be a major focus in this course.

Prerequisite: AMG301. Students should have their own guitars.

AMG4M1**University/College****Music - Strings****Grade 10**

This course emphasizes the creation and performance of music at a beginner level and although there is no prerequisite, AMI01 is recommended. Students will continue to develop musical literacy skills and performance skills on a violin, viola, cello, or upright bass. Students will continue to develop an understanding of the elements of music, musical terminology, and the foundation of theory and apply these concepts in a range of activities. Collaborative activities in sectionals and full ensemble work continue to be a major focus in this course.

Prerequisite: None (AMS101 Strongly Recommended)

AMS201**Open****Music - Strings****Grade 11**

This course is a continuation of the AMS201 course. This course emphasizes the creation and performance of music at an intermediate level. Students will continue to develop musical literacy skills and upper level performance skills on a violin, viola, cello, or upright bass in ensemble and solo work. Students will continue to develop an understanding of the elements of music, musical terminology, the foundation of theory, and dynamic nuance and apply these concepts in a range of activities. Collaborative activities in sectionals, sectional leadership opportunities, and full ensemble work continue to be a major focus in this course. A variety of orchestral string arrangement will be studied.

Prerequisite: AMS201

AMS301**Open****Music - Strings****Grade 12**

This course is a continuation of the AMS3M1 course. This course emphasizes the creation and performance of music at an advanced level. Students will continue to develop musical literacy skills and upper level performance skills on a violin, viola, cello, or upright bass in ensemble and solo work. Students will continue to develop an understanding of the elements of music, musical terminology, the foundation of theory, and dynamic nuance and apply these concepts in a range of activities. Collaborative activities in sectionals, sectional leadership opportunities, and full ensemble work continue to be a major focus in this course.

Prerequisite: AMS301

AMS4M1**University/College****Music - Repertoire****Grade 10**

This is an introductory practical, collaborative repertoire course in which Concert Band/Orchestra repertoire is the focus and a massive number of charts of increasing difficulty is learned, rehearsed, and performed. It is designed to be taken with the co-requisite course AMI101, AMI201, AMS101, AMS201 or by department permission. Through regular attendance at rehearsals, sectionals, and home practice, students

AMR201**Open**

successfully meet the requirements for this course. An introduction to upper level performance ideas and mechanics of producing great sound, and strong evidence of personal practice commitment are integral parts of this course. *Performances and events outside of regular school hours are required.* Students are provided with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of 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 their performances.

Prerequisite: AMI101/201, AMS101/201

Music - Repertoire**Grade 11**

This is a practical, collaborative repertoire course in which Concert Band/Orchestra repertoire is the focus and a massive number of charts of increasing difficulty is learned, rehearsed, and performed. It is designed to be taken with the co-requisite course AMI3M/AMI4M or AMS3M/AMS4M or by department permission. Through regular attendance at rehearsals, sectionals, and home practice, students successfully meet the requirements for this course. A growing knowledge and application of upper level performance ideas and strong evidence of personal practice commitment are integral parts of this course.

Performances and events outside of regular school hours are required. Students are provided with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of 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 analysing their performances.

Prerequisite: AMI201, AMS201, AMR201

AMR3M1**University/College****Music - Repertoire****Grade 12**

This is a practical, collaborative repertoire course in which Concert Band/Orchestra repertoire is the focus and a massive number of charts of increasing difficulty is learned, rehearsed, and performed. It is designed to be taken with the co-requisite course AMI3M/4M or AMS3M/4M or by department permission. Through regular attendance at rehearsals, sectionals, and home practice, students successfully meet the requirements for this course. Knowledge and application of upper level performance ideas and strong evidence of personal practice commitment are integral parts of this course. Performances and events outside of regular school hours are required. Students are provided with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of 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 analysing their performances.

Prerequisite: AMI3M1, AMR3M1, AMS3M1

AMR4M1**University/College****Music - Vocal****Grade 10**

This course emphasizes the performance of music at a beginner's level through voice and choir participation. Student learning will include creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, vocal music history, the basics of theory, solfege, and sight singing. Students will engage in musical productions from the simplest form of personal recital and larger scale productions such as public concert performance. In doing so, students will develop an understanding of the music which underlies these activities as well as working in cooperative small and large group applications such as sectional rehearsals and full ensemble rehearsals.

Prerequisite: None

AMV201**Open****Music - Vocal****Grade 11**

This course continues voice instruction through collaboration and solo work. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyze and evaluate performances. They will continue to increase their understanding of the elements of music while developing their technical abilities. Students will continue to develop a thorough understanding of the language of music, including the elements, terminology, vocal music history, the foundations of theory, solfege, and sight singing. Students will continue to collaborate in sectionals and full ensemble work. There will be leadership opportunities in sectionals.

AMV3M1**University/College**

Prerequisite: AMV201

Music - Vocal

Grade 12

This course continues voice instruction through collaboration and solo work at an advanced level. Students will continue to develop performance skills as well as interpretive skills. They will continue to develop foundations of theory, solfege, and sight singing. Leadership roles in sectionals will be required as well as an ability to work independently. Students will continue to collaborate in sectionals and full ensemble work. Students will continue to 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.

Prerequisite: AMV3M1

AMV4M1

University/College

Visual Arts

Visual Arts

Grade 10

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 the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context. Projects in this course include acrylic and watercolour painting, clay sculpture, printmaking, and drawing in a variety of media.

Prerequisite: None

AVI201

Open

Visual Arts

Grade 11

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. Projects in this course include acrylic and watercolour painting, clay sculpture, printmaking, and drawing in a variety of media.

Prerequisite: AVI101 or AVI201

AVI3M1/B

University/College

Visual Arts

Grade 11

This course focuses on studio activities in the visual arts, such as drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context. Projects in this course include acrylic and watercolour painting, clay sculpture, printmaking, and drawing in a variety of media.

Prerequisite: AVI101 or AVI201 or NAC101

AVI301

Open

Visual Arts

Grade 12

This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production. Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts. Projects in this course include acrylic and watercolour painting, clay sculpture, printmaking, and drawing in a variety of media.

Prerequisite: AVI3M1/B or AVI301

AVI4M1/B

University/College

Business Studies Business

Introduction to Business

Grade 10

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

Prerequisite: None

BBI201

Open

Entrepreneurial Studies

Entrepreneurship: The Venture

Grade 11

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their personal goals. Students will create a venture plan for a student-run school-based or summer business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

Prerequisite: None

BDI3C1

College

International Business

International Business Fundamentals

International Business Fundamentals

Grade 12

This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for post secondary programs in business, including international business, marketing, and management.

Prerequisite: None

BBB4M1

BBB4ME -eLearning

University/College

Business Leadership

Business Leadership Management

Grade 12

eLearning

This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized.

Prerequisite: None

BOH4ME

University/College

Canadian and World Studies Civics (Politics)

Civics & Citizenship

Grade 10

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of political issues and developments that are both of significance in today's world and of personal interest to them.

Prerequisite: None

CHV205

Open

Civics & Citizenship

Grade 10

eLearning

½ Credit

(Eligibility: Open to all students)

CHV20E

Open

Geography

Travel and Tourism: A Regional Geographic Perspective **CGG301**
Grade 11 **Open**

This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities.

Prerequisite: CGC1D1 or 1DB

World Issues: A Geographic Analysis **CGW4U1/B**
Grade 12 **University**

In this course, students will address the challenge of creating a more sustainable and equitable world. They will explore issues involving a wide range of topics, including economic disparities, threats to the environment, globalization, human rights, and quality of life, and will analyse government policies, international agreements, and individual responsibilities relating to them. Students will apply the concepts of geographic thinking and the geographic inquiry process, including the use of spatial technologies, to investigate these complex issues and their impacts on natural and human communities around the world.

Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities

The Environment and Resource Management **CGR4ME**
Grade 12 **University/College**
eLearning

This course investigates interactions between natural and human systems, with a particular emphasis on the impacts of human activity on ecosystems and natural processes. Students will use the geographic inquiry process, apply the concepts of geographic thinking, and employ a variety of spatial skills and technologies to analyse these impacts and propose ways of reducing them. In the course of their investigations, they will assess resource management and sustainability practices, as well as related government policies and international accords. They will also consider questions of individual responsibility and environmental stewardship as they explore ways of developing a more sustainable relationship with the environment.

Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities

History

Canadian History since World War I **CHC2D1/B**
Grade 10 **Academic**

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

Prerequisite: None

Canadian History since World War I **CHC2P1**
Grade 10 **Applied**

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

Prerequisite: None

World History to the End of the Fifteenth Century **CHW3M1/B**
Grade 11 **University/College**

This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras.

Prerequisite: CHC2D1/B or 2P1

World History since the Fifteenth Century **CHY4UB**
Grade 12 **University**

This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and ideas and assess societal progress or decline in world history.

Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities

Law

Understanding Canadian Law **CLU3M1**
Grade 11 **University/College**

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use case studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws.

Prerequisite: CHC2P1 or 2D1 or NAC201

Understanding Canadian Law in Everyday Life **CLU3E1**
Grade 11 **Workplace**

This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and their rights, freedoms and responsibilities under the Canadian Law. Topics include laws relating to marriage, the workplace, cyberbullying, and criminal offenses. Students will begin to develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating legal issues that are relevant to life in Canada today.

Prerequisite: CHC2P1 or 2D1 or NAC201

Classical and International Languages

Classical and International Languages **LWSBD1/B**
Level 1 **Academic**

This course provides opportunities for students to begin to develop and apply skills in listening, speaking, reading, and writing in the language of study. Students will communicate and interact in structured activities, with a focus on matters of personal interest and familiar topics and will read and write simple texts in the language. Throughout the course, students will acquire an understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also develop skills necessary for lifelong language learning.

Prerequisite: None

Classical and International Languages **LWSCU1/B**
Level 2 **University Preparation**

This course provides opportunities for students to increase their competence and confidence in listening, speaking, reading, and writing in the language of study. Students will communicate about academic and personally relevant topics in increasingly spontaneous

spoken interactions and will develop their creative and critical thinking skills through exploring and responding to a variety of oral and written texts. Students will continue to enrich their understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also investigate personal and professional contexts in which knowledge of the language is required and develop skills necessary for lifelong language learning.

Prerequisite: LWSBD1/B

Computer Studies

**Digital Technology and Innovations
in the Changing World**

Grade 10

ICD201

Open

This course helps students develop cutting-edge digital technology and computer programming skills that will support them in contributing to and leading the global economic, scientific and societal innovations of tomorrow. Students will learn and apply coding concepts and skills to build hands-on projects and investigate artificial intelligence, cybersecurity, and other emerging digital technologies that connect to a wide range of fields and careers. Using critical thinking skills with a focus on digital citizenship, students will investigate the appropriate use and development of the digital technologies that they encounter every day, as well as the benefits and limitations of these technologies.

Prerequisite: None

Introduction to Computer Science

Grade 11

ICS3U1

University

This course introduces students to computer science through the study of computer games. Students will design games using industry-standard programming tools and by applying the software development life-cycle model. They will also write and use sub-programs within computer programs and develop creative solutions for various types of programs and games as their understanding of computer science grows. They will also explore emerging research in computer science, and global career trends in computer-related fields.

Prerequisite: None

Computer Science

Grade 12

ICS4U1

University

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyze algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, and computer-related careers.

Prerequisite: ISC3U1

English Compulsory Courses

English

Grade 10

ENG2D1/B

Academic

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.

Prerequisite: ENG1D1/B

English

Grade 10

ENG2P1

Applied

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to

prepare students for the compulsory Grade 11 college or workplace preparation course.

Prerequisite: ENG1D1

English

Grade 10

ENG2L1

LDCC

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English Grade 11 Workplace course. The course is organized into strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing and thinking, and reflect regularly upon their growth in these areas.

Prerequisite: ENG1L1

**English: Understanding Contemporary First Nations,
Métis, and Inuit Voices**

NBE3U1

Grade 11

University

This course explores the themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will analyse the changing use of text forms by Indigenous authors/creators from various periods and cultures in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course.

Prerequisite: ENG2D1/B

English

Grade 11

ENG3C1

College

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course.

Prerequisite: ENG2P1

English

Grade 11

ENG3E1

Workplace

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course.

Prerequisite: ENG2L1

English

Grade 11

ENG3UB

University

This course emphasizes the development of literacy, and communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse challenging literary texts from various periods, countries and cultures, as well as a range of informational and graphic texts, and create oral, written and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory Grade 12 university or college preparation course.

Prerequisite: ENG2DB

English
Grade 12

This course emphasizes consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace.

Prerequisite: ENG3UB or NBE3U1

ENG4U1/B
University

English
Grade 12

eLearning

ENG4UE
University

Prerequisite: ENG3UB or NBE3U1

English
Grade 12

This course emphasizes consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace.

Prerequisite: ENG3C1

ENG4C1
College

English
Grade 12

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.

Prerequisite: ENG3E1

ENG4E1
Workplace

Optional Courses

The Writer's Craft
Grade 12

eLearning

EWC4UE
University

This course emphasizes knowledge and skills related to the craft of writing. Students will analyse models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers.

Prerequisite: ENG3U1/B or NBE3U1

Studies in Literature
Grade 12

ETS4UB
University

This course is for students with a special interest in literature and literary criticism. The course may focus on themes, genres, time periods, or countries. Students will analyse a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project.

Prerequisite: ENG3UB

Ontario Secondary School Literacy Course
Grade 12

OLC4O1
Open

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage

a portfolio containing a record of their reading experiences and samples of their writing.

Eligibility Requirement: Students who have been eligible to write the OSSLT and who have been unsuccessful at least once are eligible to take the course. (Students who have already met the literacy requirement for graduation may be eligible to take the course under special circumstances, at the discretion of the principal.)

First Nations, Métis, and Inuit Languages

Native Languages: Ojibwe
Level 1

LNOA01
Open

This course is open to the entire student body and will allow students who have no prior Native language experience to develop an appreciation for a Native language and culture, to explore and experience a unique world view, and to learn to speak a Native language. Students will use the language being studied for greetings and daily routines, become familiar with its writing and sound system, and practise basic vocabulary and phrases. Students will also use information technology during course-related activities.

Prerequisite: None

Native Languages: Ojibwe
Level 2

LNOB01
Open

This course will enable students to experience the unique respect for life that permeates Native languages and cultures. Students will expand their vocabulary and knowledge of phrases and expressions, using them in simple dialogues, narrative writing, grammatical constructions, and reading, and to exchange information electronically.

This course is open to any student who has successfully completed at least four years of elementary Native language study, has successfully completed NL1, or demonstrates the required proficiency.

Native Languages: Ojibwe
Level 3

LNOC01
Open

This course will provide students an opportunity to expand their knowledge of a Native language and of Native philosophy, spirituality, and values, and to enhance their identity and self-worth. Students will communicate by using a variety of phrases and expressions, create short conversations, skits, stories, and narratives, use information technology, and develop an awareness of the structural and functional workings of a Native language.

This course is open to students who have successfully completed NL2 or who can demonstrate the required proficiency.

French as a Second Language Core French

Core French
Grade 10

FSF2D1/B
Academic

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.

Prerequisite: FSF1D1/B

Core French
Grade 11

FSF3U1/B
University

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.

Prerequisite: FSF2D1/B

Core French
Grade 12

FSF4U1/B
University

This course provides extensive opportunities for students to speak and interact in French

independently. Students will develop their listening, speaking, reading, and writing skills, apply language strategies in a wide variety of real-life situations, and develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: FSF3U1/B

Guidance and Career Education

Career Studies **GLC205**
Grade 10 **Open**

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will access their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores post secondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

Prerequisite: None

Career Studies **eLearning** **GLC20E**
Grade 10 **Open**

½ Credit
(Eligibility: Open to all students)

Creating Opportunities through Cooperative Education **DC030C**
Grade 11 **Open**

This course consists of a community-connected experience and a cooperative education curriculum focused on developing skills, knowledge and habits of mind that will support students in their learning at school and beyond, today and in the future, as well as in their education and career/life planning. Within the context of the community-connected experience, students will apply skills, knowledge and habits of mind that will protect and promote their health, safety and well-being and that will strengthen their inquiry, decision-making and leadership skills. Students 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.

Prerequisite: None

Cooperative Education Linked to a Related Course(s) **COP4X2**
Grade 12 **Open**

2 Credit
This course consists of a community-connected experience 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 at school and beyond, today and in the future, as well as in their education and career/life planning. Within the context of the community-connected experience, 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 reflect on their learning, and make connections between their experience in the community and other aspects of their lives.

Prerequisite: None

Health and Physical Education

Healthy Active Living Education - Co-Ed **PPL201**
Grade 10 **Open**

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Prerequisite: None

Healthy Active Living Education - Co-Ed **PPL301**
Grade 11 **Open**

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Prerequisite: None

Personal and Fitness Activities - Co-Ed **PAF301**
Grades 11/12 **Open**

This course focuses on the development of a healthy lifestyle through the introduction of lifelong fitness activities in a non-competitive classroom environment. Through the development of skills and practice in yoga, aerobics, swimming and aquatics, and a variety of athletic training methods, students will explore personal fitness goal-setting and lifelong physical well-being. This course will study the importance of nutrition and healthy eating, anatomy and physiology of the body, the importance of a healthy body image, and different techniques to improve fitness primarily utilizing the school facilities and equipment.

Prerequisite: None

Health for Life **eLearning** **PPZ3CE**
Grades 11/12 **College**

This course enables students to examine the factors that influence their own health practices and behaviours as well as those factors that contribute to the development of healthy communities. It emphasizes the concept of wellness, which addresses all aspects of well-being – physical, cognitive, emotional, spiritual, and social – and promotes healthy eating, physical activity, and building and maintaining a positive sense of self. Students will develop the skills necessary to make healthy choices and create a personal wellness plan. They will also design initiatives that encourage others to lead healthy, active lives. The course prepares students for college programs in health sciences, fitness, wellness, and health promotion.

Prerequisite: None

Healthy Active Living Education - Co-Ed **PPL401**
Grade 12 **Open**

This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Pre-

requisite: None

Interdisciplinary Studies

Interdisciplinary Studies **IDC401**
Grade 12 **Open**

This experiential-learning based course will use real-life and hands-on opportunities to emphasize the development of practical skills and knowledge to solve problems, make decisions, and create personal meaning. Throughout the course, students will engage with community partners, participate in off-site excursions and discover various outdoor learning opportunities in our community. Through individual and collaborative inquiry and research into contemporary issues, real-life situations, and careers, students will apply the principles and skills derived from the complementary subjects and disciplines studied, evaluate the reliability of information, and examine how information technology can be used safely, effectively, and legally. The course will culminate with a project where students will explore a topic or an issue of significance to them and showcase their learning.

Prerequisite: None

Mathematics

Principles of Mathematics Grade 10

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relationships and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically as they solve multi-step problems and communicate their thinking.

Prerequisite: MTH1W1/A/B

MPM2D1/B Academic

Foundations of Mathematics Grade 10

This course enables students to consolidate their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relationships. Students will investigate similar triangles, the trigonometry of right-angled triangles, and the measurement of three-dimensional objects. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MTH1W1

MF2M2P1 Applied

Mathematics Grade 10

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Grade 11 Mathematics Workplace course. The course is organized in three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on developing and consolidating key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

Prerequisite: A Grade 9 Mathematics credit

MAT2L1 LDCC

Functions Grade 11

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Prerequisite: MPM2D1/B

MCR3U1/B University

Functions and Applications Grade 11

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Prerequisite: MPM2D1 or MF2M2P1

MCF3M1 University/College

Foundations for College Mathematics Grade 11

This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations, as well as of measurement and geometry; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analysing, and evaluating data involving one or two variables. Students will consolidate

MBF3C1 College

their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MFM2P1

Mathematics for Work and Everyday Life Grade 11

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MTH1W1 or MAT2L1

MEL3E1 Workplace

Advanced Functions Grade 12

This course extends students' experiences with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric 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 who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs

Prerequisite: MCR3U1/B or MCT4C1

MHF4U1/B University

Calculus and Vectors Grade 12

This course builds on students' experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.

Prerequisite: MHF4U1 or 4UB can be taken concurrently with or can precede MCV4U1/B

MCV4U1/B University

Data Management Grade 12

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.

Prerequisite: MCF3M1 or MCR3U1/B

MDM4U1 University

Foundations for College Mathematics Grade 12

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.

Prerequisite: MBF3C1 or MCF3M1

MAP4C1 College

Science

Science Grade 10

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Students are also given opportunities to further develop their

SNC2D1/B Academic

scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid-base reactions; forces that affect climate and climate change; and the interaction of light and matter.

Prerequisite: SNC1W1/B

**Science
Grade 10**

**SNC2P1
Applied**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real - world situations. Students are given opportunities to develop further practical skills in scientific investigations. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.

Prerequisite: SNC1W1

Biology

**Biology
Grade 11**

**SBI3U1/B
University**

This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.

Prerequisite: SNC2D1/B

**Biology (Not offered 2023-2024)
Grade 11**

**SBI3C1
College**

This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.

Prerequisite: SNC2D1 or 2P1

**Biology
Grade 12**

**SBI4U1/B
University**

This course provides students with the opportunity for indepth 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 laboratory skills needed for further study in various branches of the life sciences and related fields.

Prerequisite: SBI3U1/B

Chemistry

**Chemistry
Grade 11**

**SCH3U1/B
University**

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

Prerequisite: SNC2D1/B

**Chemistry
Grade 12**

**SCH4U1/B
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 pro-

cesses, 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.

Prerequisite: SCH3U1/B

**Chemistry
Grade 12**

**SCH4C1
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 related 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.

Prerequisite: SNC2D1 or 2P1

Physics

**Physics
Grade 11**

**SPH3U1/B
University**

This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

Prerequisite: SNC2D1/B

**Physics
Grade 12**

**SPH4U1/B
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.

Prerequisite: SPH3U1/B

Environmental Science

**Environmental Science
Grade 11**

**SVN3M1
University/College**

This course provides students with the fundamental knowledge and skills related to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas.

Prerequisite: SNC2P1 or 2D1

**Environmental Science
Grade 11**

**SVN3E1
Workplace**

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy.

Prerequisite: SNC1W1 or SNC1L1

Social Sciences and Humanities Family Studies

Food and Nutrition
Grade 9 or 10

HFN201
Open

This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food preparation skills and introduces them to the use of social science research methods in the area of food and nutrition.

Prerequisite: None

Food and Culture
Grade 11

HFC3E1
Workplace

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will demonstrate the ability to cook with ingredients and equipment from a range of cultures, describe food-related etiquette in a variety of countries and cultures, and explore ways in which Canadian food choices and traditions have been influenced by other cultures. Students will have opportunities to develop practical skills and apply research skills as they investigate foods and food practices from around the world.

Prerequisite: None

Nutrition and Health
Grade 12

HFA4U1
University

This course examines the relationships between food, energy balance, and nutritional status; the nutritional needs of individuals at different stages of life; and the role of nutrition in health and disease. Students will evaluate nutrition-related trends and will determine how food choices can promote food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and develop their social science research skills by investigating issues related to nutrition and health. Pre-requisites: Any university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

General Social Science

Housing and Home Design
Grade 11

HLS301
Open

This course introduces students to a range of issues related to housing and home design. Students will learn about the needs that housing fulfils; housing options; home maintenance and safety; and environmental, economic, legal, and social considerations related to housing. They will use the elements and principles of design to analyse design and decorating decisions. Students will develop research skills as they investigate issues related to housing and home design.

Prerequisite: None

Introduction to Anthropology, Psychology, and Sociology
Grade 11

HSP3U1
University

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.

Prerequisite: ENG2D1/B or CHC2D1/B

Introduction to Anthropology, Psychology, and Sociology
Grade 11

HSP3C1
College

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. Students will be given opportunities to apply theories from a variety

of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.

Prerequisite: None

Challenge and Change in Society
Grade 12

HSB4U1
University

This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change.

Prerequisite: Any university, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

Challenge and Change in Society
Grade 12

eLearning

HSB4UE

Prerequisite: Any university, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

Human Development Throughout the Lifespan
Grade 12

HHG4M1
University/College

This course offers a multidisciplinary approach to the study of human development throughout the lifespan. Students will learn about a range of theoretical perspectives on human development. They will examine threats to healthy development as well as protective factors that promote resilience. Students will learn about physical, cognitive, and social-emotional development from the prenatal period through old age and will develop their research and inquiry skills by investigating issues related to human development.

Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

Personal Life Management
Grade 12

HIP401
University

This course focuses on preparing students for living independently and working successfully with others. Students will learn to manage their personal resources to meet their basic needs for food, clothing, and housing. They will also learn about their personal, legal, and financial responsibilities and develop and apply interpersonal skills in order to make wise and responsible personal and occupational choices. Students will apply research and inquiry skills while investigating topics related to personal life management. The course emphasizes the achievement of expectations through practical experiences.

Prerequisite: None

Philosophy

Philosophy: Questions and Theories
Grade 12

HZT4U1
University

This course enables students to acquire an understanding of the nature of philosophy and philosophical reasoning skills and to develop and apply their knowledge and skills while exploring specialized branches of philosophy (the course will cover at least three of the following branches: metaphysics, ethics, epistemology, philosophy of science, social and political philosophy, aesthetics). Students will develop critical thinking and philosophical reasoning skills as they formulate and evaluate arguments related to a variety of philosophical questions and theories. They will also develop research and inquiry skills related to the study and practice of philosophy.

Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies

Technological Education Communications Technology

Communications Technology
Grade 10

TGJ201
Open

This course introduces students to communications technology from a media perspective.

Students will work in the areas of TV, video and movie production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will be learning in a modern, dynamic environment using industry-standard technology and software (Adobe Master Collection Cs6). Students will also develop an awareness of environmental and societal issues related to communications technology and explore secondary and post-secondary education and training pathways and career opportunities in the various communications technology fields.

Prerequisite: None

Communications Technology: Interactive Media **TGJ3M1**
Grade 11 **University/College**

This course examines communications technology from a digital media perspective. Students will work both independently and as part of a team to design and produce dynamic cross-media products in a project-driven studio environment. Students will work with latest in industry-standard software including Adobe's Master Collection CS6 (Photoshop, Illustrator, InDesign, Flash, Premiere). Other projects may include TV, video, and movie production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive web design. Students will also develop an awareness of related environmental and societal issues, and will explore college and university programs and career opportunities in the various communications technology fields.

Prerequisite: None

Communications Technology: Interactive Media **TGJ4M1**
Grade 12 **University/College**

This course enables students to further develop digital media knowledge and skills while designing and producing dynamic cross-media and multi-disciplinary projects. Students will continue expand their skills and knowledge in a project-driven studio environment. Students will work with latest in industry standard software Adobe's Master Collection CS6 (Photoshop, Illustrator, InDesign, Flash, Premiere). Other project may include TV, video and movie production; graphic communications; photography; digital imaging; broadcast journalism; green-screen filming; and interactive web design. Students will also expand their awareness of environmental and societal issues related to communications technology, and will investigate career opportunities and challenges in a rapidly changing technological environment.

Prerequisite: TGJ3M1

Communications Technology: Print and Graphic **TGG3M1**
Communication (Yearbook)
Grade 11 **University/College**

This course enables students to develop media knowledge and skills while designing and producing the school yearbook and other projects in the area of graphic communications. Students will work both independently and as part of a team learning the basics of journalism, layout and design, photography, publishing, marketing and advertising through the production of the school yearbook and newsletters. Classroom activities will be closely related to the real world of interviewing, reporting, photographing, meeting deadlines and producing both paper and online publications. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.

Prerequisite: None

Communications Technology: Print and Graphic **TGG4M1**
Communication (Yearbook)
Grade 12 **University/College**

This course enables students to further develop media knowledge and skills while designing and producing the school yearbook and other projects in the area of graphic communications. Students will work both independently and as part of a team gaining expertise in the areas of digital workflow, photo composition, journalism, layout design and publishing in both print and web-based environments. Practical projects may include yearbook cover design, layouts, photo journalism, web galleries, and portfolio development. Classroom activities continue to reflect the real world of interviewing, reporting, photographing, meeting deadlines, and producing publications. Students will also expand their awareness of environmental and societal issues related to communications technology and will investigate career opportunities and challenges in a rapidly changing technological environment.

Prerequisite: TGG3M1

Full Year Course Pairing

Youth Fusion Program - Computer Game Design

This pairing includes a portion on Computer Game Design

Computer Engineering **TEJ201**
Grade 10 **Open**

This course introduces students to computer systems, networking, and interfacing, as well as electronics and robotics. Students will assemble, repair, and configure computers with various types of operating systems and application software. Students will build small electronic circuits and write computer programs to control simple peripheral devices or robots. Students will also develop an awareness of related environmental and societal issues, and will learn about secondary and post-secondary pathways and career opportunities in computer technology.

Prerequisite: None

Technological Design **TDJ201**
Grade 10 **Open**

This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field.

Prerequisite: None

Computer Technology

Computer Engineering Technology **TEJ3M1**
Grade 11 **University/College**

This course examines computer systems and control of external devices. Students will become familiar with electronic concepts 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.

Prerequisite: None

Computer Engineering Technology **TEJ4M1**
Grade 12 **University/College**

This course extends students' understanding of computer systems and computer interfacing with external devices. Students will assemble computer systems by installing and configuring appropriate hardware and software, and will learn more about fundamental concepts of electronics, robotics, programming, and networks. Students will examine environmental and societal issues related to the use of computers, and explore post secondary pathways leading to careers in computer engineering and related fields.

Prerequisite: TEJ3M1

Construction Technology

Construction Technology **TCJ201**
Grade 10 **Open**

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will 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 post secondary pathways leading to careers in the industry.

Prerequisite: None

Construction Technology **TCJ3C1/3E1**
Grade 11 **College/Workplace**

This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential con-

struction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore post secondary and career opportunities in the field. Students will build an Adirondack Chair and a Garden Shed.

Prerequisite: None

Construction Technology - Custom Woodworking Grade 11	TWJ3E1 Workplace
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This course enables students to further develop knowledge and skills related to the planning, design, and construction of residential and/or commercial cabinets and furniture. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation.

Prerequisite: None

Note: TCJ3C1/3E1 & TWJ3E1 may be taken as a course pairing or separately.

Construction Technology Grade 12	TCJ4C1/4E1 College/Workplace
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This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands-on experience using a variety of materials, processes, tools, and equipment; create and interpret construction drawings; and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues related to construction technology, and will explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation.

Prerequisite: TCJ3E1 or TCJ3C1

Health and Personal Services

Health Care Grade 11	TPJ3M1 University/College
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This course focuses on the development of knowledge and skills that will benefit students planning a career in the health care field. Students will learn about human anatomy and physiology, homeostasis, vital signs, disease prevention and treatment, how lifestyle choices affect health and well-being, and conventional and complementary methods of disease prevention and treatment. Students will develop an awareness of workers' health and safety issues, environmental and societal issues and will begin to explore secondary and post secondary pathways leading to careers in the field.

Prerequisite: None

Health Care Grade 11	TPJ3C1 College
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This course focuses on the development of knowledge and skills that will benefit students planning a career in the health care field. Students will learn about human anatomy and physiology, homeostasis, vital signs, disease prevention and treatment, how lifestyle choices affect health and well-being, and conventional and complementary methods of disease prevention and treatment. Students will develop an awareness of workers' health and safety issues, environmental and societal issues and will begin to explore secondary and post secondary pathways leading to careers in the field.

Prerequisite: None

Health Care Grade 12	TPJ4M1 University/College
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This course focuses on the development of clinical skills needed to assess general health status. Students will learn about accepted health care practices and about how to perform various procedures, using appropriate instruments and equipment. They will learn about the human immune system, pathology, and disease prevention and treat-

ment. Students will also expand their awareness of workers' health and safety issues, environmental and societal issues and will begin to explore post secondary destinations in the field.

Prerequisite: TPJ3M1

Health Care Grade 12	TPJ4C1 College
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This course focuses on the development clinical skills needed to assess general health status. Students will learn about accepted health care practices and about how to perform various basic procedures, using appropriate instruments and equipment. They will learn about the human immune system, pathology, and disease prevention and treatment. Students will also expand their awareness of workers' health and safety issues, environmental and societal issues related to health care, and post secondary destinations in the field.

Prerequisite: TPJ3C1

Manufacturing Technology

Manufacturing Technology Grade 10	TMJ201 Open
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This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment with an emphasis on welding. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or injection moulding. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary and post secondary pathways leading to careers in the industry.

Prerequisite: None

Manufacturing Technology Grade 11	2 Credit	TMJ3C2 College
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This hands-on, project-based course is designed for students planning to enter an occupation or apprenticeship in manufacturing directly after graduation. Students will work on a variety of manufacturing projects, developing knowledge and skills in design, fabrication, and problem solving and using tools and equipment such as welding machines. In addition, students may have the opportunity to acquire industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary school pathways that lead to careers in the industry.

Prerequisite: None

Manufacturing Technology Grade 11	2 Credit	TMJ3E2 Workplace
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This hands-on, project-based course is designed for students planning to enter an occupation or apprenticeship in manufacturing directly after graduation. Students will work on a variety of manufacturing projects, developing knowledge and skills in design, fabrication, and problem solving and using tools and equipment such as welding machines. In addition, students may have the opportunity to acquire industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary school pathways that lead to careers in the industry.

Prerequisite: None

Manufacturing Technology: Welding Grade 12	2 Credit	TMJ4C2 Workplace
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This project-driven, hands-on course builds on students' experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of welding machines, and other related tools and equipment as they design and fabricate solutions to a variety of technological challenges in manufacturing. Students may have opportunities to acquire industry-standard training and certification. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry.

Prerequisite: TMJ3C2

Manufacturing Technology: Welding **2 Credit**
Grade 12

TMJ4E2
Workplace

This project-driven, hands-on course builds on students' experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of welding machines, and other related tools and equipment as they design and fabricate solutions to a variety of technological challenges in manufacturing. Students may have opportunities to acquire industry-standard training and certification. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry.

Prerequisite: TMJ3E2

Transportation Technology

Transportation Technology
Grade 10

TTJ201
Open

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 post secondary pathways leading to careers in the transportation industry.

Prerequisite: None

Transportation Technology: Auto Service
Grade 11

TTA3C1
College

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. 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.

Prerequisite: None

Transportation Technology: Auto Service
Grade 12

TTA4C1/TTJ4E1
College/Workplace

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; power trains; steering/control, suspension; brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

Prerequisite: TTA3C1 or TTA3E

eLearning

Students may earn Ontario high school credits online through the Lakehead District School Board eLearning Program. Students taking an e-learning course will receive their instruction, assignments and tests online at the eLearning site www.lakeheadschoools.ca/elearning/. Participating students will be given face-to-face initial training on how to use the site and meet their teacher at the start of the semester. These courses meet all curriculum expectations and are taught by fully qualified teachers in one of our three high schools.

- Enjoy the flexibility of an eLearning online course
- Dedicated eLearning teacher contact, support and assistance, including a help desk.
- Computer access available
- Qualify by enrolling in at least two per semester – other day school courses.

Please check with Student Services to confirm the semester when courses will be offered.

eLearning Courses 2023-2024

Health for Life - College
Host School: Westgate

PPZ3CE

The Writer's Craft - University
Host School: Westgate

EWC4UE

Business Leadership Management - U/C
Host School: Westgate

BOH4ME

Challenge and Change - University
Host School: Westgate

HSB4UE

Civics & Citizenship - Open
Host School: Hammarskjold

CHV/GLC2OE

English - University
Host School: Superior

ENG4UE

The Environment & Resource Management
Host School: Superior

CGR4ME

International Business Fundamentals - U/C
Host School: Hammarskjold

BBB4ME

SENIOR SPECIALIST FOCUS LEARNING

Cooperative Education (System)

Dual Credits

College Link

Team Taught Dual Credits

College Now!

eLearning

Specialist High Skills Major Programs

Cooperative Education

Cooperative Education is a unique program for students, integrating academic and technical study with practical experience in business and industry.

This learning experience helps students make informed decisions about future careers. Students also develop the work habits, attitudes and job skills necessary for a successful transition from secondary school to the workplace or post-secondary education. Cooperative Education students are typically in the senior grades, have a variety of post-secondary destinations: apprenticeship, college, university, work, and may be studying in any subject area.

Cooperative education opportunities are available in all Lakehead Public High Schools.

Ontario Youth Apprenticeship Program (OYAP)

All senior students can explore the career potential of the skilled trades with OYAP as their start point. Over 140 skilled trades offer an opportunity to learn, work and enjoy occupations with career flexibility and portability, professional licensing, a wide range of further training opportunities, small business ownership and a diversified and valued skill set.

Students can begin to accumulate credit towards an apprenticeship in their chosen skilled trade while they complete the requirements of their high school education. Students who are interested in participating in OYAP will need to choose cooperative education in their Grade 11 and/or Grade 12 year. To participate, students must have completed 16 credits and be at least 16 years of age.

An Ontario Youth Apprenticeship Program (OYAP) student is a student who is earning cooperative education credits for work experience in an apprenticeship occupation. The student may or may not be formally registered as an apprentice while attending secondary school.



Cooperative Education Programs

Canadian Armed Forces

Army Reserve

COP4XA

Semester 2

The Army Reserve Co-op Program includes basic military training as an introduction to life in the Canadian Forces, specific to the Army Reserve. This means training to be a member of one of the Army Reserve units in Thunder Bay, at the Armoury on Park Avenue. The Army Reserve units in Thunder Bay are: 736 Communications Squadron, which specializes in electronic communications; the Lake Superior Scottish Regiment, which is an infantry unit; 18 Service Battalion, which specializes in transport, supply/logistics and technical repair and maintenance; and 18 Field Ambulance, which specializes in health care and trauma support services.

To be eligible, students must meet the following conditions:

- 16 years old prior to the starting date of the program;
- A Canadian citizen;
- Have a minimum of 15 credits prior to the start of the program;
- Enrolled in Semester 2 Co-op (afternoon);
- Successfully complete the entrance requirements prior to December 1 of the school year (physical, medical, aptitude);
- Able to attend program from 1:00 p.m. - 5:30 p.m., Monday through Friday and the occasional weekend training sessions.

Naval Reserve

COP4XN

Semesters 1 & 2

The Naval Reserve Co-op Program includes introductory training to life in the Canadian Forces, specifically the Canadian Naval Reserve. This means training to be part of the crew of a Canadian Navy Ship, a member of a Port Security Unit, a Port Inspection Diving Team or a Naval Intelligence Team. Students will work out of HMCS Griffon, Thunder Bay's Naval Reserve Unit located on Algoma Street.

To be eligible students must meet the following conditions:

- 16 years old prior to the start date of the program;
- A Canadian citizen;
- Have a minimum of 15 credits prior to start date;
- Enrolled in Co-op (afternoon);
- Successfully complete the entrance requirements prior to the start of the semester (physical, medical, aptitude);
- Be able to attend program from 1:00 p.m. - 4:00 p.m.
- Monday - Friday and able to attend the occasional weekend training session.

Aviation Technology

TTL3C2 | TTL4C2

Aviation Technology is a program that is taught at the Confederation College A.C.E. Centre located at the Thunder Bay International Airport.

Grade 11 Semester 1 | Grade 12 Semester 2

Students will study aerodynamics, aircraft components, aircraft hardware and materials, inspection procedures and methods, ground marshalling and handling of aircraft, aircraft engines, and flight related subjects. Aviation Technology may include a cooperative education component incorporating practical experience within the aviation industry at the airport. This partnership between Lakehead Public Schools and Confederation College will give students regular exposure to the College's A.C.E. Aviation facility. Included in the program are field trips to related industries such as air traffic control, Bombardier and the Ministry of Natural Resources (CL415 Water Bombers.) All mathematics and physics requirements will be taught in the program.

Dual Credits

Secondary Credit + College Credit

Dual credits are defined as a high school credit and a college credit earned at the same time. The opportunity to earn two credits simultaneously is available to senior students in programs that vary each year.

College Link

The College Link program will bring students into the college environment while completing their high school course requirements. College Link emphasizes communication, literacy, and planning for the future.

Students will be enrolled in the dual credit course General Education Elective while working on high school credits through an independent learning model. Once a student has achieved that dual credit successfully they are then allowed to take up to three (3) college delivered dual credit top up courses.

College Link courses are subject to change, please see Student Services for a current list of course options.

Monday-Friday | 9:30 am 3:30 pm

Please see Administration/Vice Principal to be enrolled in the College Link Program.

Team Taught Dual Credits

These programs are team taught by College and Secondary School Staff. Students are able to obtain both a Secondary Credit and a College Credit simultaneously. These dual credit opportunities are available at the designated school.

Aviation Link

TTL4C Transportation Technology: Light Aircraft (Grade 12) & TP166 Aviation Studies 1 (College)

Students will be introduced to a variety of basic skills related to the aviation industry. Students will have the opportunity to use aircraft simulators, classroom time, and practicum in an actual aircraft maintenance hangar. This course is recommended for students who are considering flight management, aviation technician, or aerospace manufacturing engineering technician / technology as a future program. Through a combination of theory and practical experience, students will gain the background necessary to proceed with further study in a more advanced program.

Superior | Hammar skjold | Westgate

Communication for Success Link

ENG4C English (Grade 12) & CS007 Persuasive Writing (College)

This course will focus on communication as it applies to students' chosen career pathway, with a specific focus on literacy skills necessary in the trades and technology programs at the post secondary level. Students will learn how to express themselves clearly, correctly, and persuasively in written form through analytical reading and critical thinking based on current issues and resources. This course will also help students to compile and present research in essay form in an effective and coherent manner according to the APA style of documentation. In particular, students will engage in pre-writing strategies to locate, sort and organize information for potential writing tasks; determine the relevancy and appropriateness of topics; generate an outline for a report or presentation; edit and proof-read written tasks; and publish a document according to accepted conventions.

Hammar skjold

Manufacturing Link

TMJ4E Manufacturing Technology (Grade 12) or TMW4E (Welding) & WC 126 Flat T-Joint Module (College)

In this course the students will identify the different welding procedures for T-Joints in flat, horizontal, vertical and overhead positions. Welding exercises are demonstrated using 6010-11 and 7018 electrodes in these positions and specific safety precautions for overhead welding are addressed.

Superior | Westgate

Transportation Link

TTA4C Transportation Technology (Grade 12) & HC 121 Applied Work Practices and Procedures (College)

This course introduces students to occupational health and safety, basic hand and power tools, precision measuring tools, fastening devices and torquing procedures. Heating and cutting methods are introduced.

Westgate

Please check with Student Services for the current selection of dual-credit courses!



College Now!

<http://www.confederationcollege.ca/collegenow>

Change Your Life Through Learning

The College Now program is provided in partnership with the School College Work Initiative (SCWI), the Thunder Bay Catholic District School Board, and Lakehead Public Schools. Students can take "College Now" courses with an opportunity to earn credits that count toward both a secondary school and college diploma or certificate. Dual Credits let students "experience" college courses while still in high school.

Students must be:

- 17 or 18 years old in the graduating year;
- working towards an Ontario Secondary School Diploma;
- registered in a minimum of one high school credit in their home school; and
- approved by the school Principal.

These courses have been offered in the past and are subject to change. Please see your guidance counsellor for details.



www.lakeheadschoools.ca



Specialist High Skills Majors

Specialist High Skills Majors were developed to give students the opportunity to focus on a specific area of study.

Credit bundles are made up of sector-specific courses. Students acquire skills and knowledge in a hands-on, career-related learning environment with others who have the same goals and career expectations.

- Major credits
- Cooperative education credits (sector-specific)
- Plus additional credits with a focus in the stated discipline

Application and scheduling information is available from your Student Services Guidance Counsellor. Stop in for more information about the focus courses and specialized training students can receive with their SHSM participation.

Arts & Culture | Westgate

For students who are interested in a career in the Arts and Culture sector (music, dance, drama, graphics, design, communication technology, visual art, theatre arts, and more) this Specialist High Skills Major offers students a solid foundation in the area of study. Students will be required to declare a Major area of study. The SHSM required credits, sector specific cooperative education opportunities, along with specialized sector training and certification are available for students to further expand their learning experiences.

Aviation & Aerospace | Westgate

For students who are interested in a career in the Aviation and Aerospace sector (aircraft maintenance, aircraft inspection, instrumentation, electrical or avionics mechanics, piloting, air traffic control, flight engineering, mechanical engineering, and more) this Specialist High Skills Major offers students a solid foundation in the area of study. The SHSM required credits, sector specific cooperative education opportunities, along with specialized sector training and certification are available for students to further expand their learning experiences.

Business | Westgate

For students who are interested in a career in the Business sector (trade and commerce, finance and insurance, accounting, real estate, marketing, information technology, and more) this Specialist High Skills Major offers students a solid foundation in the area of study. The SHSM required credits, sector specific cooperative education opportunities, along with specialized sector training and certification are available for students to further expand their learning experiences.

Construction | Hammariskjold

For students who are interested in a career in the Construction sector (carpentry, architecture, construction management, electrical, home renovations, plumbing, structural engineering, home inspection, and more) this Specialist High Skills Major offers students a solid foundation in the area of study. The SHSM required credits, sector specific cooperative education opportunities, along with specialized sector training and certification are available for students to further expand their learning experiences.

Health & Wellness | Superior

For students who are interested in a career in the Health and Wellness sector (child and youth work, Indigenous early childhood education, fire and police foundations, massage therapy, paramedics, ultrasound, dental, nursing, nutrition sciences, physical therapy, and more) this Specialist High Skills Major offers students a solid foundation in the area of study. The SHSM required credits, sector specific cooperative education opportunities, along with specialized sector training and certification are available for students to further expand their learning experiences.

Hospitality & Tourism | Westgate

This Specialist High Skills Major (SHSM) program is designed for students interested in a career in one of the over 400 hundred occupations in the Hospitality and Tourism sector. Hospitality and Tourism jobs provide plenty of opportunities for advancement, widely transferable skills, and ongoing training.

As part of the Hospitality & Tourism SHSM, you will earn six or more sector specific certifications, earn a minimum of two co-operative education credits, 4 major credits and be involved in experiential learning and reach ahead experiences.

For Hospitality & Tourism SHSM participants, possible careers include:

- apprenticeship – baker, cook, chef, special events coordinator
- college – flight attendant, food service manager
- university – nutritionist, dietician, hotel/resort manager
- entry level workplace – hotel valet, bartender

Justice, Community Safety & Emergency Services | Hammariskjold

For students who are interested in a career in either the First Responder Stream (Canadian Armed Forces, firefighting, paramedics, law enforcement, corrections, border control, and more) or Legal and Administrative Stream (law, bylaws, government, paralegal, policy, administration, and more) this Specialist High Skills Major offers students a solid foundation in the chosen area of study. The SHSM required credits, sector specific cooperative education opportunities, along with specialized sector training and certification are available for students to further expand their learning experiences.

Manufacturing | Superior, Westgate

For students who are interested in a career in the Manufacturing sector (metal work, welding, millwrighting, machining, engineering, and more) this Specialist High Skills Major offers students a solid foundation in the area of study. The SHSM required credits, sector specific cooperative education opportunities, along with specialized sector training and certification are available for students to further expand their learning experiences.

Transportation Services | Westgate

For students who are interested in a career in the Transportation Services sector (automotive service, heavy duty equipment operation, stationary engineering, electrical engineering, machine operation, and more) this Specialist High Skills Major offers students a solid foundation in the area of study. The SHSM required credits, sector specific cooperative education opportunities, along with specialized sector training and certification are available for students to further expand their learning experiences.



Design Your Dream



SUPERIOR CVI



**International Baccalaureate
Programme | World School**



**Health & Wellness
Manufacturing**



SUPERIOR COLLEGIATE AND VOCATIONAL INSTITUTE

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