



SUPERIOR COLLEGIATE & VOCATIONAL INSTITUTE



2026-2027
**COURSE
CALENDAR**

Welcome Bienvenue Biindigen

SUPERIOR

COLLEGIATE AND VOCATIONAL INSTITUTE

School Colours
Blue, White and Black

School Team
Gryphons

Student Population
620

Founded
2009

Principal
Mr. N. Workman

Vice Principal
Mrs. H. Campbell
Mr. A. Foulds

School Council Chair
Mrs. D. Digby
Mrs. C. Silen

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 | 2026-2027

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

Mathematics - IB Prep	MTH1WB	Science - IB Prep	SNC1WB
Mathematics - De-streamed	MTH1W1	Science - De-streamed	SNC1W1
Mathematics - Locally Developed	MAT1L1	Science - Locally Developed	SNC1L1
English - De-streamed	ENL1W1	French - IB Prep	FSF1DB
English - IB Pre	ENL1WB	French - Academic	FSF1D1
English - Locally Developed	ENG1L1	Geography - De-streamed	CGC1W1
FNMI Languages - Open	LNOAO1	Geography - IB Prep	CGC1WB

Students, along with Parents/Guardians, will select four (4) electives. A fourth 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 three choices.

Building the Entrepreneurial Mindset	BEM101
Drama - Open	ADA101
Expressions of First Nations, Metis, and Inuit Cultures - Open	NAC101
General Learning Strategies	GLS101
Health and Physical Education - Open	PPL101
Literary Skills: Reading and Writing	ELS201
Music - Band - Open	AMI101
Music - Strings - Open	AMS101
Technology and the Skilled Trades	TAS101
Visual Arts - Open	AVI101



SUPERIOR

COLLEGIATE AND VOCATIONAL INSTITUTE

WORLD-CLASS LEARNING.

BELONG HERE.

GO ANYWHERE.



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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 Manufacturing Technology partnerships and award winning students, Science Fair award winning projects, artists and entrepreneurs for every education and career pathway. Superior is proud to offer students three successful Specialist High Skills Majors: Environment, Health & Wellness, and Manufacturing/Welding.



IB WORLD SCHOOL

Superior CVI is proud to offer the International Baccalaureate (IB) Diploma Programme. The IB Programme, a symbol of academic integrity in over 150 countries, is designed for students who are looking for a challenge, and enjoy working in a community of like-minded students and supportive teachers.

The IB's Mission is to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through education that builds intercultural understanding and respect. The IB Programme is open to all students in Thunder Bay.

IB Preparatory (Grades 9 & 10)

The Grade 9 and 10 IB courses are designed to prepare 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 level, and the activities challenge the students to problem solve in innovative ways. These courses will prepare students for the challenges of the Diploma Programme by helping them to develop improved:

- thinking skills
- research skills
- communication skills
- social skills
- self-management skills

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 SAC, Superior Student Advocates for Mental Health, Indigenous Student Committee, GSA, Travel Club and Exchange Programs. Gryphons are proud of their community spirit and annually lead campaigns to raise money for Canadian Cancer Society via Relay for Life, Holiday Cheer and the United Way.

IB Diploma Programme (Grades 11 & 12)

The IB Diploma model 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 (Theory of Knowledge, Extended Essay and Creativity, Activity, Service). 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.

The DP is internationally recognized as representing one of the highest standards in university preparatory education. More than 1,000 colleges and universities in North America have recognition policies on how they weigh it in admissions, advanced standing, college credit and scholarships. A list of colleges and universities that grant credit, scholarships and/or advanced standing for DP diplomas and certificates is available at www.ibo.org.

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



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 are 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.



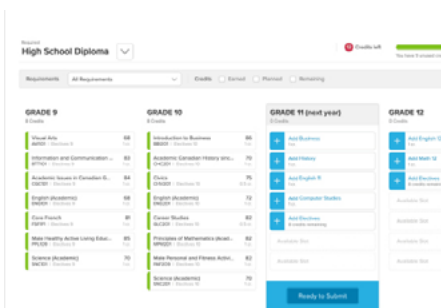
TIP: Saving your options will help you experience a curated Xello journey as activities are specially tuned to your interests and favourites. You can visit your saved options from any page by clicking the heart icon in the top menu bar.

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.

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.



IMPORTANT

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.

Current Grade 9s

For Grade 10, you will have five compulsory courses plus three electives. Students starting Grade 9 in September 2024 will need to complete a grade 9 or 10 technology course in order to graduate. The course code will need to end in 10 or 20. Please check the course offerings and your selections carefully to ensure this requirement is completed.

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.

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

Trades - www.skilledtradesontario.ca

Edsby



Edsby is the main online learning management system for Superior CVI. Edsby helps connect students, parents/guardians, and teachers. **Students** can log in to Edsby to stay up to date on class work, grades, and learning resources. **Families** can connect to Edsby so that they can keep up to date on lessons, assessments, school clubs, extra-curricular activities, and school news.

As soon as students start Grade 9, students can connect to Edsby using their school login.

Here's how:

1. **Login:** <https://lakehead.edsby.com> and use your school login. You can also download the app and enter the code - lakehead.
2. **Username:** Use the first 8 characters of your first name, followed by the first 8 characters of your last name, and then add two numbers for the month of birth and two numbers for the day of birth (e.g., johndoe1225).
3. **Password:** Combine the first initials of your first and last name, add a dash, and include the last six numbers of your student ID (e.g., jd-123456).

OSSD DIPLOMA REQUIREMENTS

If you started Grade 9 in Fall 2024 and after

If you started Grade 9 in 2024 or in later years, you need the following to get your OSSD. Notice that you need 17 compulsory credits, including one credit in the STEM related course group.

Compulsory Credits

You need the following **17 compulsory credits** to get your OSSD:

- 4 credits in English (1 credit per grade)
- 3 credits in mathematics (Grade 9, Grade 10 and 1 credit in Grade 11 or 12)
- 2 credits in science
- 1 credit in technological education (Grade 9 or Grade 10)
- 1 credit in Canadian history (Grade 10)
- 1 credit in Canadian geography (Grade 9)
- 1 credit in the arts
- 1 credit in health and physical education
- 1 credit in French as a second language or Native language
- 0.5 credit in career studies
- 0.5 credit in civics and citizenship
- 1 credit from the STEM-related course group

The following apply to compulsory credit selections.

- You can use the Grade 11 English: Understanding Contemporary First Nations, Métis and Inuit Voices course to meet the Grade 11 English compulsory credit requirement.
- You can use the Grade 9 Expressions of First Nations, Métis, and Inuit Cultures course to meet the compulsory credit requirement in the arts.

STEM-related course group

Of the 17 compulsory credits, you must complete 1 from the following group:

- business studies
- computer studies
- cooperative education
- mathematics (in addition to the 3 compulsory credits currently required)
- science (in addition to the 2 compulsory credits currently required)
- technological education (in addition to the 1 compulsory credit required)

Optional credits

You must earn **13 optional credits** by successfully completing courses from your school's program and course calendar.

Optional credits may include up to 4 credits earned through approved dual credit programs.

Additional Requirements:

- 40 hours of community involvement activities
- Ontario Secondary School Literacy Requirement (OSSLT or OSSLC)
- Financial Literacy Requirement (starting for students who begin Grade 9 in 2025).
- 2 online credits (which make up any of the of the compulsory or optional credits). Students can opt out with parental permission. Contact your school guidance department to discuss opting out.

If you started Grade 9 in or before Fall 2023

If you started Grade 9 in 2023 or earlier, you need the following to get your OSSD. Notice that you need 18 compulsory credits and follow the Group 1, 2 and 3 lists.

Compulsory Credits

You need the following **18 compulsory credits** to get your OSSD:

- 4 credits in English (1 credit per grade)
- 3 credits in mathematics (at least 1 credit in Grade 11 or 12)
- 3 credits for group 1, 2 and 3 courses (1 credit in each group)
- 2 credits in science
- 1 credit in Canadian history (Grade 10)
- 1 credit in Canadian geography (Grade 9)
- 1 credit in the arts
- 1 credit in health and physical education
- 1 credit in French as a second language or Native Language
- 0.5 credit in career studies
- 0.5 credit in civics and citizenship

The following also apply to compulsory credit selections.

- You can use the Grade 11 English: Understanding Contemporary First Nations, Métis and Inuit Voices course to meet the Grade 11 English compulsory credit requirement.
- You can use the Grade 9 Expressions of First Nations, Métis, and Inuit Cultures course to meet the compulsory credit requirement in the arts.

Group 1, 2 and 3 compulsory credits

Of the 18 compulsory credits, you must complete 1 from each of the following groups:

Group 1: English (including the Ontario Secondary School Literacy Course) or French as a second language, Native languages, First Nations, Métis, and Inuit studies, classical studies and international languages, social sciences and the humanities, Canadian and world studies, guidance and career education, cooperative education, American Sign Language as a second language

Group 2: health and physical education, the arts, business studies, French as a second language, cooperative education, American Sign Language as a second language

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

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.

Optional credits

You must earn **12 optional credits** by successfully completing courses from your school's program and course calendar.

Optional credits may include up to 4 credits earned through approved dual credit programs.

Additional Requirements:

- 40 hours of community involvement activities
- 2 online credits
- Ontario Secondary School Literacy Requirement (OSSLT or OSSLC)

4 YEAR COURSE PLANNER

GRADE 9 (8 credits)	GRADE 10 (8 credits)	GRADE 11 (8 credits)	GRADE 12 (6-8 credits)
English ENL or ENG	English ENG	English ENG	English ENG
Math M	Math M	Math M	Optional
Science SNC	Science SNC	Optional	Optional
Geography CGC	History CHC	Optional	Optional
French FSF or Ojibway LNO	Civics & Careers CHV205 GLC205	Optional	Optional
Optional	Optional	Optional	Optional
Optional	Optional	Optional	Optional
Optional	Optional	Optional	Optional

****check page 6 for OSSD Diploma Requirements**

COURSE REQUESTS HELPFUL INFORMATION

Course selections must be entered and submitted in Xello by **MARCH 4, 2026**.

- » Courses may be subject to cancellation if not enough students select them.
- » Please note that the credit count in Xello may not be accurate. Always rely on your Ontario Student Status Sheet.

CURRENT GRADE 9s (choose 8 courses for Grade 10)

For grade 10, you will choose six (6) compulsory courses [including 0.5 Civics (CHV205) and 0.5 Career Studies (GLC205)]. You will also choose three (3) optional credits.

- * If you did not take a tech course in grade 9, you must select a grade 10 tech course.
- * If you need to repeat a gr. 9 compulsory course, please include the course with your requests.

CURRENT GRADE 10s (choose 8 courses for Grade 11)

For Grade 11, you will choose two (2) compulsory courses (English and Math) plus six (6) optional credits.

- * Check to see if you have your STEM credit completed (check your Student Status Sheet).
- * Consider courses you may be required to take in Grade 12 as prerequisites for post-secondary programs and destinations.

CURRENT GRADE 11s (choose 6-8 courses for Grade 12)

For Grade 12, you will choose one (1) compulsory course (English) and five to seven (5-7) optional courses.

- * Ensure you meet graduation requirements.
- * Students wishing to attend college or university are reminded that they must meet specific entrance requirements:
 - » • University – at least (6) Grade 12 “U” or “M” courses, including ENG 4U1, and often a designated overall average.
 - » Students must also meet course prerequisites for certain post-secondary programs. (www.ontariouniversitiesinfo.ca)
 - » • College – ENG4C1. Check programs for specific senior math or science prerequisites. (www.ontariocolleges.ca)
 - » • Workplace / Apprenticeship – consider Cooperative Education and OYAP. (skilledtradesontario.ca, www.apprenticesearch.com, www.oyap.com)

CURRENT GRADE 12s / POTENTIAL GRADUATES

- » If you are not returning next year, select NRT100 and NRT200 OR (Option: if you are graduating and not returning, please see to Student Services)
- » If you are returning for semester one only, select NRT200 and three to four (3-4) courses for semester one.
- » If you are graduating, but planning on a victory lap, please contact your Guidance Counsellor.

IB PROGRAMME – Students will be seen by Ms. Watt for instructions about the course selection process.

****SUBMIT YOUR COURSE SELECTIONS BY MARCH 4, 2026!****

Online Course Request Instructions:

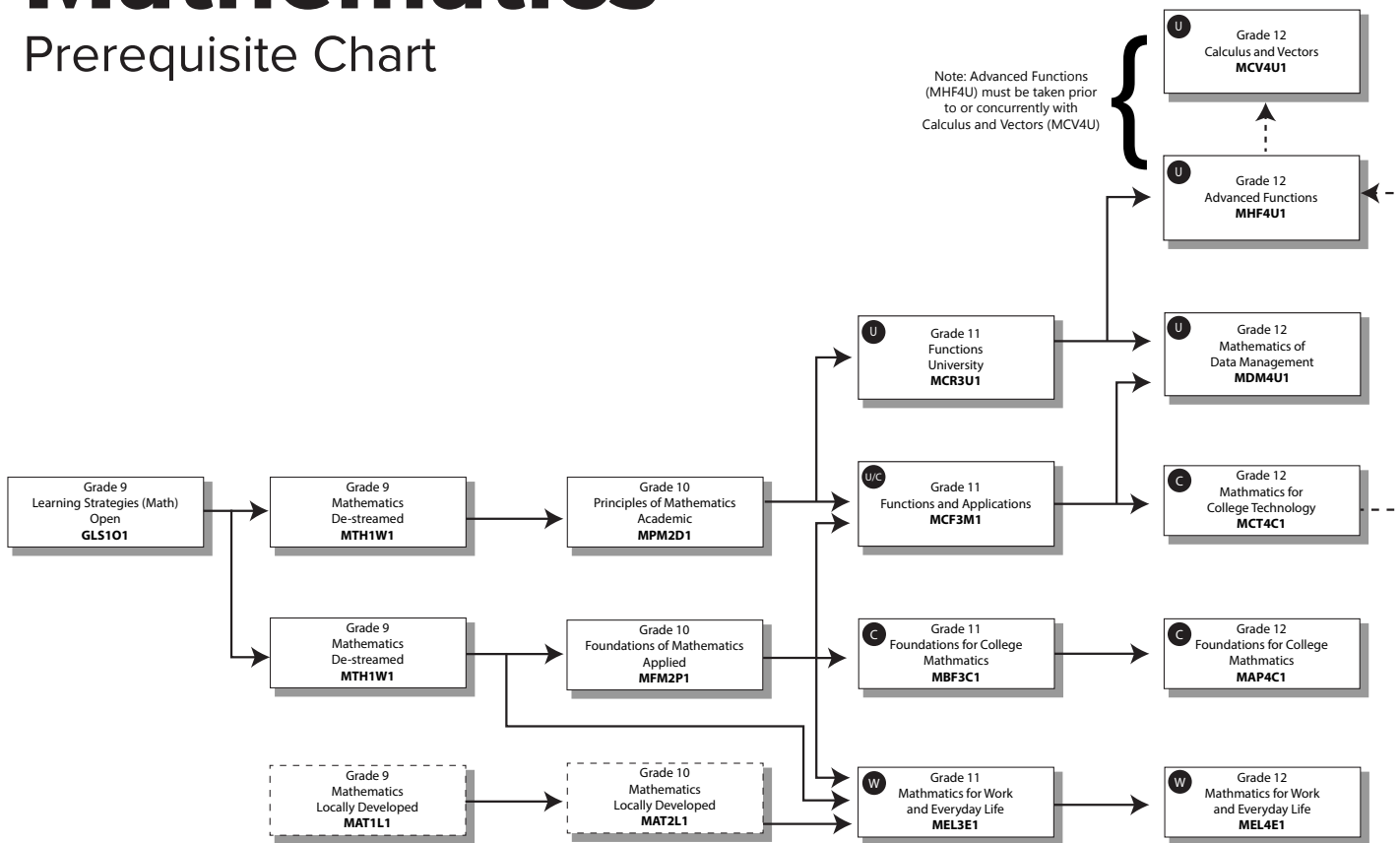
1. Go to superior.lakeheadschoools.ca
Click on “Choose Courses” to review the “Course Request Tutorial Video” and instructions.
2. To access Xello – log into Classroom Websites/D2L/Brightspace and click on “Xello” icon.
3. Click on “Course Planner.”
4. Enter courses in the column outlined for next year.
5. Click on the “SUBMIT” button once completed. (**NOTE:** Once you have submitted your course selections, you are not able to change them yourself. You must book an appointment with your Guidance Counsellor.)
6. Click on the printer icon and print page one and have a parent/guardian sign it. Hand in the signed form to Student Services.

* If you have questions, please contact your Guidance Counsellor.

CONGRATULATIONS! You have completed your course selections for 2026-2027!

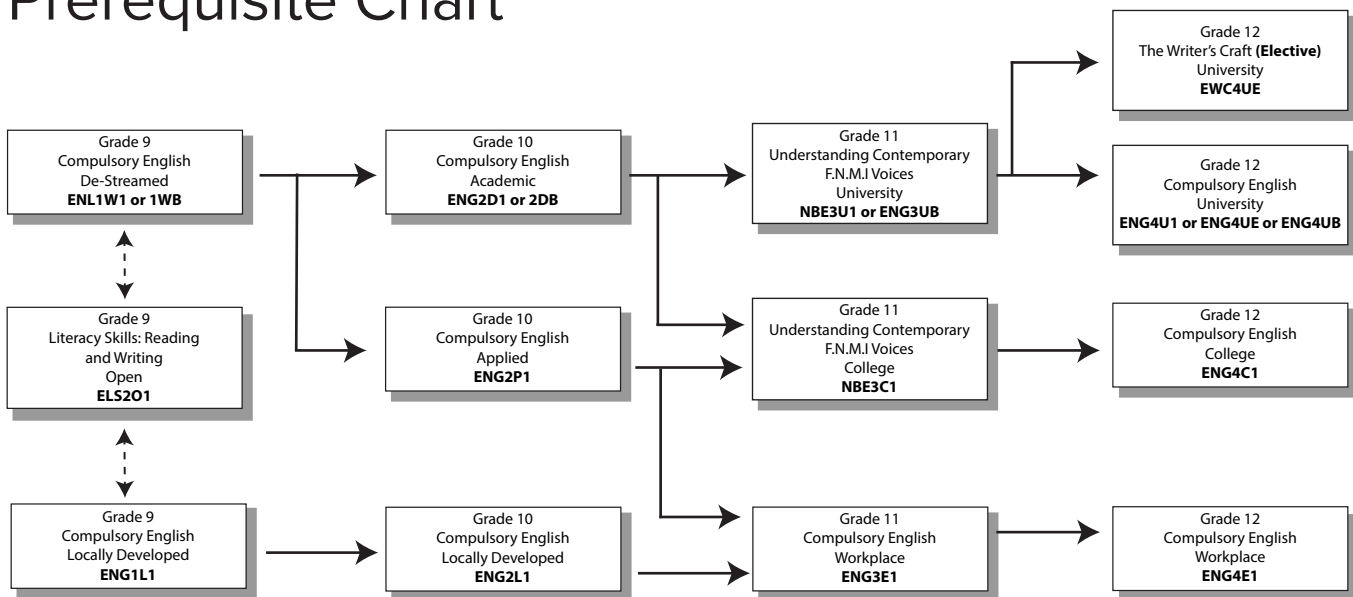
Mathematics

Prerequisite Chart

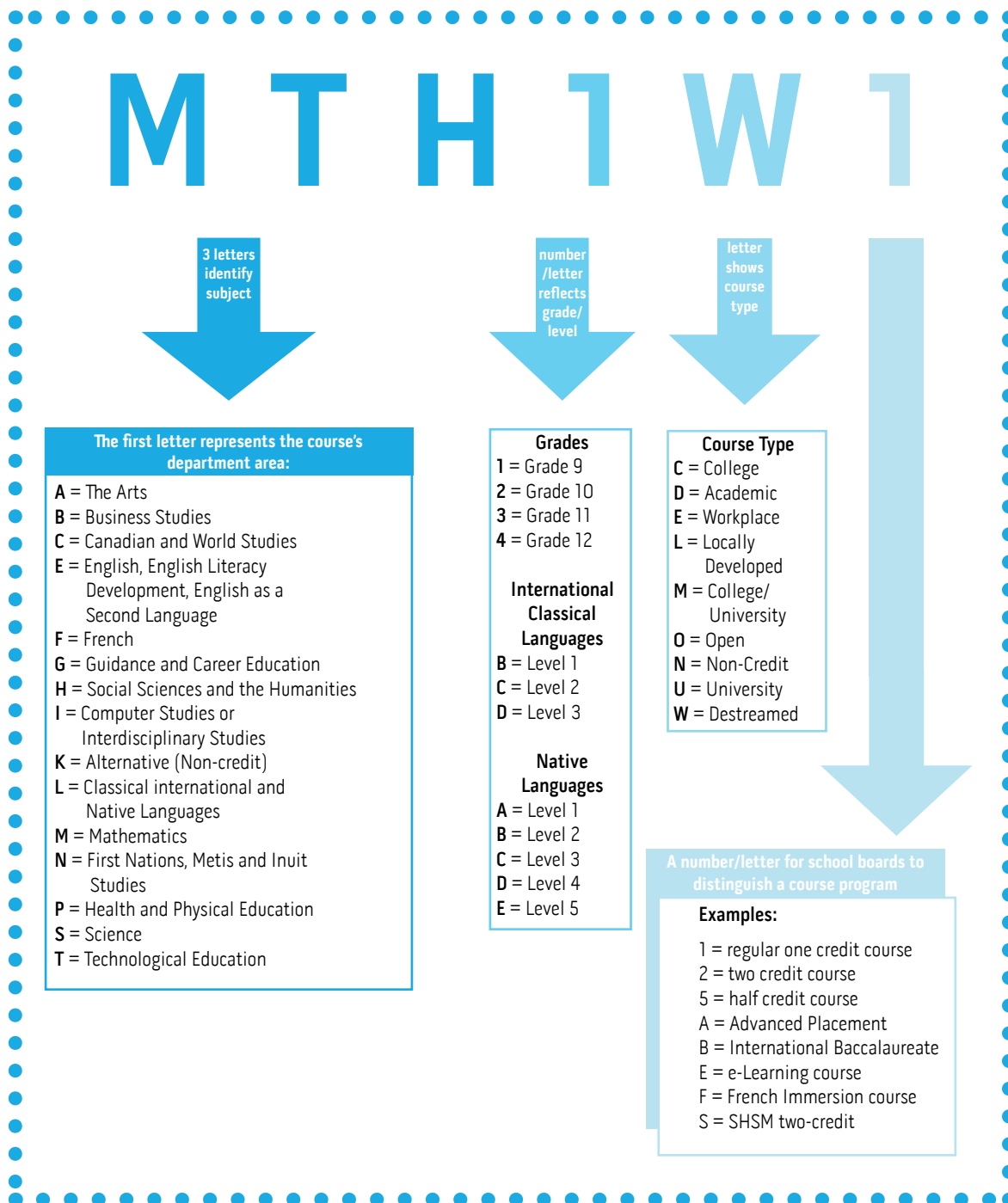


English

Prerequisite Chart



Understanding A Course Code



SCVI COURSES

The Arts

Descriptions Pages 17-18

		Code	Prerequisite
Drama			
Drama - Open		ADA201	
Drama - Open		ADA3M1	ADA101 or 201
Drama - U/C		ADA4M1	ADA3M1
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
Guitar			
<i>**Students must have their own guitar.</i>			
Music - Open	Guitar	AMG201	
Music - Open	Guitar	AMG301	AMG101 or 201
Music - U/C	Guitar	AMG4M1	AMG301
Strings			
Music - Open	Strings	AMS201	AMS101 Strongly Recommended
Music - Open	Strings	AMS3M1	AMS101 or 201
Music - U/C	Strings	AMS4M1	AMS3M1
Repertoire <i>(This course will be offered after school in addition to your regular course selections)</i>			
<i>**Outside of school hours</i>			
Music - Open	Repertoire	AMR201	AMI101 Strongly Recommended
Music - U/C	Repertoire	AMR3M1	AMI101 or 201
Music - U/C	Repertoire	AMR4M1	AMR3M1
Visual Arts			
Visual Arts - Open		AVI201	
Visual Arts - U/C/IB		AVI3M1/B	AVI101/201 or NAC101
Visual Arts - Open		AVI301	AVI101 or AVI201
Visual Arts - Photography - Open - eLearning		AWQ30E	
Visual Arts - U/C/IB		AVI4M1/B	AVI301 or 3M1/B
Visual Arts - Workplace		AVI4E1	AVI301 or AVI3M1

Business Studies

Descriptions Pages 19

Code

Prerequisite

Accounting

Financial Accounting Fundamentals - U/C	eLearning	BAF3ME	
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Business

Launching and Leading a Business - Open		BEP201	
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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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Marketing

Marketing: Goods, Services, Events - College	eLearning	BMI3CE	
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Canadian and World Studies

Descriptions Pages 19-20

Code

Prerequisite

Civics (Politics)

Civics & Citizenship - Open	(½ Credit)	CHV205	
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Geography

Travel & Tourism: A Geographic Perspective - Open	eLearning	CGG3OE	CGC1W1/B
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World Issues: A Geographic Analysis - University IB		CGW4UB	See Page 19
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History

Canadian History Since World War I - Academic/IB		CHC2D1/B	
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Canadian History Since World War I - Applied		CHC2P1	
--	--	--------	--

World History to the End of the Fifteenth Century - U/C/IB		CHW3M1/B	CHC2D1/B or 2P1
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World History since the Fifteenth Century - University/IB		CHY4U1/B	See Page 20
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Law

Understanding Canadian Law - U/C		CLU3M1	CHC2D1 or 2P1
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Canadian and International Law - University	eLearning	CLN4UE	See Page 20
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Classical and International Languages

Descriptions Page 20

Code

Prerequisite

Classical and International Languages, Spanish, Level 1, Academic/IB		LWSBD1/B	
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Classical and International Languages, Spanish, Level 2, University/IB		LWSCU1/B	LWSBD1/B
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Classical and International Languages, Spanish, Level 3, University/IB		LWSDU1/B	LWSCU1/B
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Computer Studies

Descriptions Page 20

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 20 - 21	Code	Prerequisite
Compulsory English - Academic/IB	ENG2D1/B	ENL1W1/B
Compulsory English - Applied	ENG2P1	ENL1W1/B
Compulsory English - Locally Developed (LDCC)	ENG2L1	ENG1L1
Compulsory English - Understanding Contemporary	NBE3U1/E	ENG2D1/B
First Nations, Métis, and Inuit Voices - University/eLearning		
Compulsory English - University IB	ENG3UB	ENG2DB
Compulsory English: Understanding Contemporary		
First Nations, Métis, and Inuit Voices - College	NBE3C1	ENG2P1
Compulsory English - Workplace	ENG3E1	ENG2L1
Media Studies - Open eLearning	EMS3OE	ENG2D1/2P1
Compulsory English - University/IB	ENG4U1/B	ENG3UB or NBE3U1
Compulsory English - University eLearning	ENG4UE	ENG3UB or NBE3U1
Compulsory English - College	ENG4C1	ENG3C1/NBE3C1
Compulsory English - Workplace	ENG4E1	ENG3E1
The Writer's Craft - University eLearning	EWC4UE	ENG3UB or NBE3U1
Ontario Secondary School Literacy Course - Open/eLearning	OLC401/E	See Page 21

First Nations, Métis, and Inuit Languages - Ojibwe

Descriptions Pages 22	Code	Prerequisite
FNMI Languages: Ojibwe, Level 1 - Open	LNOA01	
FNMI Languages: Ojibwe, Level 2 - Open	LNOB01	See Page 22
FNMI Languages: Ojibwe, Level 3 - Open	LNOC01	See Page 22

French as a Second Language

Descriptions Page 22	Code	Prerequisite
Core French - Academic/IB	FSF2D1/B	FSF1D1/B
Core French - University/IB	FSF3U1/B	FSF2D1/B
Core French - University/IB	FSF4U1/B	FSF3U1/B

Guidance and Career Education

Descriptions Page 22	Code	Prerequisite
Career Studies - Open (½ Credit)	GLC205	
Creating Opportunities through Cooperative Education - Open (2 Credits)	DC030C	
Cooperative Education - Open (2 Credits)	COP4X2	
OYAP-FAST (2 Credits)	COP3F2/4F2	See page 30
OYAP-FAST (4 Credits)	COP3F4/4F4	See page 30
Aviation Coop (4 credits)	COP4XV	See Page 30
Army Reserve Coop (2 credits)	COP4XA	See Page 30
Navy Reserve Coop (summer) (2 credits)	COP4XN	See Page 30

Health and Physical Education

Descriptions Pages 22-23

	Code	Prerequisite
Healthy Active Living Education - Open - Co-Ed	PPL201	
Healthy Active Living Education - Open - Co-Ed	PPL301	
Healthy Living and Personal Fitness Activities (Co-Ed) - Open	PAF301	
Health for Life - College eLearning	PPZ3CE	
Healthy Active Living Education - Open - Co-Ed	PPL401	
Introductory Kinesiology - University eLearning	PSK4UE	See Page 23
Healthy Active Living - Large-Group Activities - Volleyball Academy (2 Credits)	PAL102	See Page 22
Healthy Active Living - Large-Group Activities - Volleyball Academy (2 Credits)	PAL202	See Page 22

Mathematics

Descriptions Pages 23-24

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

Science

Descriptions Pages 24- 25

	Code	Prerequisite
Science - Academic/IB	SNC2D1/B	SNC1W1/B
Science - Applied	SNC2P1	SNC1W1
Biology - University/IB/eLearning	SBI3U1/B/E	SNC2D1/B
Biology - College	SBI3C1	SNC2D1 or 2P1
Biology - University/IB	SBI4U1/B	SBI3U1/B
Chemistry - University/IB/eLearning	SCH3U1/B/E	SNC2D1/B
Chemistry - University/IB/eLearning	SCH4U1/B/E	SCH3U1/B
Chemistry - College eLearning	SCH4CE	SNC2P1 or 2D1
Physics - University/IB	SPH3U1/B	SNC2D1/B
Physics - University/IB/eLearning	SPH4U1/B/E	SPH3U1/B
Physics - College eLearning	SPH4CE	SNC2D1/B or SNC2P1
Environmental Science - U/C	SVN3M1	SNC2P1 or 2D1
Environmental Science - Workplace	SVN3E1	SNC1W1 or SNC1L1

Social Sciences and Humanities

Descriptions Pages 25-26	Code	Prerequisite
Family Studies		
Food and Nutrition - Open	HFN201	
Food and Culture - Workplace	HFC3E1	
General Social Science		
Housing and Home Design - Open	HLS301	
Parenting - Open eLearning	HPC30E	
Introduction to Anthropology, Psychology, and Sociology - University	HSP3U1	ENG2D1/B or CHC2D1/B
Introduction to Anthropology, Psychology, and Sociology - College	HSP3C1	
Challenge and Change in Society - University eLearning	HSB4UE	See Page 26
Human Growth and Development Throughout the Lifespan - U/C	HHG4M1	See Page 26
Human Growth and Development Throughout the Lifespan - U/C eLearning	HHG4ME	See Page 26
Personal Life Management - Open	HIP401	
Philosophy		
Philosophy: The Big Questions - University/IB	HZT4U1/B	See Page 26

Technological Education

Descriptions Pages 26-28	Code	Prerequisite
Communications Technology		
Communications Technology - Open	TGJ201	
Communications Technology: Interactive Media - U/C/eLearning	TGJ3M1	
Communications Technology: Interactive Media - U/C	TGJ4M1	TGJ3M1
Communications Tech: Print and Graphic Communications - Yearbook - U/C	TGG3M1	
Communications Tech: Print and Graphic Communications - Yearbook - U/C	TGG4M1	TGG3M1
Computer Technology		
Computer Engineering Technology - U/C	TEJ3M1	
Computer Engineering Technology - U/C	TEJ4M1	TEJ3M1
Construction Technology		
Construction Technology - Open	TCJ201	
Construction Technology - College	TCJ3C1	
Construction Technology - Workplace	TCJ3E1	
Construction Technology - Custom Woodworking - Workplace	TWJ3E1	
Construction Technology - College	TCJ4C1	TCJ3C1
Construction Technology - Workplace	TCJ4E1	TCJ3E1
Design Technology		
Technological Design (Board Game Design) - Open	TDJ201	
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 Credits)	TMJ3C2	
Manufacturing Technology: Welding - Workplace	(2 Credits)	TMJ3E2	
Manufacturing Technology: Welding - College	(2 Credits)	TMJ4C2	TMJ3C2
Manufacturing Technology: Welding - Workplace	(2 Credits)	TMJ4E2	TMJ3E2

Transportation Technology

Transportation Technology - Open		TTJ201	
Transportation Technology: Auto Service - College		TTA3C1	
Transportation Technology: Vehicle Ownership - Open		TTJ301	
Transportation Technology: Auto Service - College		TTA4C1	TTA3C1
Transportation Technology: Auto Service - Workplace		TTJ4E1	TTJ301 or TTA3C1

eLearning at LPS - 2026-2027

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
- Can be enrolled in up to two per semester plus other day school courses.

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

Visual Arts: Photography - Open	AWQ30E
Financial Accounting Fundamentals - U/C	BAF3ME
International Business Fundamentals - U/C	BBB4ME
Marketing: Goods, Services, Events - College	BMI3CE
Business Leadership Management - U/C	BOH4ME
Travel and Tourism: A Geographic Perspective - Open	GGG30E
Canadian & International Law - University	GLN4UE
English Media Studies - Open	EMS30E
English - University	ENG4UE
The Writer's Craft - University	EWC4UE
Human Development Throughout the Lifespan - U/C	HHG4ME
Raising Healthy Children - Open	HPC30E
Challenge and Change - University	HSB4UE

Foundations for College Mathematics - College	MBF3CE
Calculus and Vectors - University	MCV4UE
English: Understanding Contemporary FNMI Voices - University	NBE3UE
Ontario Secondary School Literacy Course - Open	OLC40E
Health for Life - College	PPZ3CE
Introductory Kinesiology - University	PSK4UE
Biology - University	SBI3UE
Chemistry - University	SCH3UE
Chemistry - College	SCH4CE
Chemistry - University	SCH4UE
Physics - College	SPH4CE
Physics - University	SPH4UE
Communications Technology - U/C	TGJ3ME

How to Log into Brightspace/D2L

Go to: <https://lhbe.elearningontario.ca/d2l/login>

Username - The first eight characters of the first name, followed by the first eight characters of the last name, followed by two numbers for the month of birth, followed by two numbers for the day of birth. (e.g., johnsmith1225 or janedoe0131)

Password - The first and last initial of the student name, followed by a dash, followed by the last six numbers of the student number. (e.g., js-987654)



Welcome to our Digital Learning Community!

Sign in with Microsoft

Username *

Password *

Log In

Student Usernames - The first eight characters of the first name, followed by the first eight characters of the last name, followed by two numbers for the month of birth, followed by two numbers for the day of birth. (e.g., johnsmith1225 or janedoe0131)

Student Passwords
The first and last initial of the student name, followed by a dash, followed by the last six numbers of the student number. (e.g., js-987654)

Staff Username - your Office 365 username and password.
(Do not include @lakeheadschoools in your username)

Can't login? Ask your teacher or the technology/IST at your school for assistance.

COURSE DESCRIPTIONS

THE ARTS

Drama

Drama
Grade 10

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

ADA201
Open

Drama
Grade 11

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

Prerequisite: ADA101 or ADA201

ADA3M1
Open

Drama
Grade 12

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: ADA3M1

ADA4M1
University/College

MUSIC

Instrumental Band

Music - Instrumental Band
Grade 10

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)

AMI201
Open

Music - Instrumental Band
Grade 11

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: AMI101/201

AMI3M1
University/College

Music - Instrumental Band
Grade 12

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

AMI4M1
University/College

Guitar

Music - Guitar
Grade 10

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. Students should have their own guitars.

AMG201
Open

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. Students should have their own guitars.

AMG301
Open

Music - Guitar
Grade 12

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

Strings

Music - Strings
Grade 10

This course is a continuation of the AMS201 course. Students will continue to develop musical performance skills on a violin, viola, cello, or upright bass in ensemble and solo work. This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.

Prerequisite: None (AMS101 Strongly Recommended)

AMS201
Open

Music - Strings
Grade 11

This course is a continuation of the AMS201 course. Students will continue to develop musical performance skills on a violin, viola, cello, or upright bass in ensemble and solo work. This course provides students with opportunities to develop traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.
Prerequisite: AMS101/201

AMS3M1
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: AMS3M1

AMS4M1
University/College

Repertoire

Music - Repertoire (Outside of school hours.)
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 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

AMR201
Open

Music - Repertoire (Outside of school hours.)
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 (Outside of school hours.)
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

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/IB

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: Photography
Grade 11 - eLearning

In this course, students will learn about photography as an expressive art form. Design theory as it relates to photography as an artistic medium is an essential component of this course, and the history of art as it relates to photography will also be included. Students will focus on an exploration of digital imaging and manipulation in their studio projects. This course is recommended for students who, in addition to furthering their enjoyment in the visual arts, wish to develop skills that relate strongly to the workplace, such as creative problem solving, time management, organization, mentorship, and collaboration.
Prerequisite: None (Students must have their own digital camera or smartphone with a camera.)

AWQ30E
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/IB

Visual Arts
Grade 12

This course focuses on a practical approach to a variety of art and design projects related to the workplace. Students will use the creative process to produce a traditional and/or digital portfolio of their work in various media. Students will focus on various aspects of visual arts, including advertising, clay ceramics, fashion design, acrylic and watercolour painting, printmaking, and drawing in a variety of media.
Prerequisite: AVI3M1 or AVI301

AVI4E1
Workplace

BUSINESS STUDIES

Accounting

Financial Accounting Fundamentals
Grade 11 - eLearning

BAF3ME
University/College

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and ethics and current issues in accounting.
Prerequisite: None

Business

Launching and Leading a Business ————— **BEP201**
Grade 10 ————— **Open**

This course introduces students to the world of business and what is required to be successful, ethical, and responsible in today's economy. Students will develop the knowledge and skills needed to be an entrepreneur who knows how to respond to local and global market opportunities. Throughout the course, students will explore and understand the responsibility of managing different functions of a business. This includes accounting, marketing, information and communication technology, financial management, human resources, and production.

Prerequisite: None

Entrepreneurial Studies

Entrepreneurship: The Venture ————— **BDI3C1**
Grade 11 ————— **College**

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

International Business

International Business Fundamentals ————— **BBB4M1**
International Business Fundamentals - eLearning ————— **BBB4ME**
Grade 12 ————— **University/College**

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

Business Leadership

Business Leadership Management ————— **BOH4ME**
Grade 12 - eLearning ————— **University/College**

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

Marketing: Goods, Services, Events ————— **BMI3CE**
Grade 11 - eLearning ————— **College**

This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice.

Prerequisite: None

CANADIAN AND WORLD STUDIES

Civics (Politics)

Civics & Citizenship ————— **CHV205**
Grade 10 (1/2 credit) ————— **Open**

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

Geography

Travel and Tourism: A Regional Geographic Perspective ————— **CGG30E**
Grade 11 - eLearning ————— **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: CGG1W1/B

World Issues: A Geographic Analysis ————— **CGW4UB**
Grade 12 ————— **University IB**

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

History

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

This course explores social, economic, and political developments and events and their impact on the lives of different individuals, groups, and communities, including First Nations, Métis, and Inuit individuals and communities, 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 identities, citizenship, and heritage in Canada. Students will develop an understanding of some of the political developments and government policies that have had a lasting impact on First Nations, Métis, and Inuit individuals and communities. 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, including First Nations, Métis, and Inuit individuals and communities, since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to heritage and identities in Canada. Students will develop an understanding of some key political developments and government policies that have had an impact on First Nations, Métis, and Inuit individuals and communities. 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 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
Grade 11

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

CHW3M1/B
University/College/IB

World History since the Fifteenth Century
Grade 12

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

CHY4U1/B
University/IB

Law

Understanding Canadian Law
Grade 11

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 laws relating to rights and freedoms in Canada; our legal system; and family, contract, employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them.

Prerequisite: CHC2P1 or 2D1

CLU3M1
University/College

Canadian and International Law
Grade 12 – eLearning

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts.

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

CLN4UE
University

CLASSICAL AND INTERNATIONAL LANGUAGES

Classical and International Languages - Spanish
Level 1

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

LWSBD1/B
Academic/IB

Classical and International Languages - Spanish
Level 2

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

LWSCU1/B
University/IB

Classical and International Languages - Spanish
Level 3

This course provides extended opportunities for students to communicate and interact in the language of study in a variety of social and academic contexts. Students will refine and enhance their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, as they explore and respond to a variety of oral and written texts, including complex authentic and adapted texts. They will also broaden their understanding and appreciation of diverse communities where the language is spoken, and develop skills necessary for lifelong language learning.

Prerequisite: LWSCU1/B

LWSDU1/B
University/IB

COMPUTER STUDIES

Digital Technology and Innovations in the Changing World
Grade 10

Learn to design and program computer games using industry leading game development software. 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

ICD201
Open

Introduction to Computer Science
Grade 11

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

ICS3U1
University

Computer Science
Grade 12

This course enables students to further develop knowledge and skills in computer science through the study of computer games. 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: ICS3U1

ICS4U1
University

ENGLISH

Compulsory Courses

English
Grade 10

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

ENG2D1/B
Academic /IB

English
Grade 10

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

ENG2P1
Applied

**English
Grade 10**

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

Grade 11

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**

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: Understanding Contemporary First Nations, Métis, and Inuit Voices

Grade 11

This course explores the themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods 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 college preparation course.

Prerequisite: ENG2P1

**English
Grade 11**

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

**ENG2L1
Locally Developed**

NBE3U1/E

University/eLearning

**ENG3UB
University IB**

NBE3C1

College

**ENG3E1
Workplace**

**English
Grade 12 - In Class or eLearning**

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

**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: NBE3C1

**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

Optional Courses

English: Media Studies **EMS3OE**
Grade 11 - eLearning **University**

This course emphasizes knowledge and skills that will enable students to understand media communication in the twenty-first century and to use media effectively and responsibly. Through analysing the forms and messages of a variety of media works and audience responses to them, and through creating their own media works, students will develop critical thinking skills, aesthetic and ethical judgement, and skills in viewing, representing, listening, speaking, reading, and writing.

Prerequisite: ENG2P1 or ENG2D1

The Writer's Craft **EWC4UE**
Grade 12 - eLearning **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

Ontario Secondary School Literacy Course **OLC401/E**
Grade 12 **Open/eLearning**

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

LNOAO1 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 LNOBO1

Native Languages: Ojibwe Level 2

LNOBO1 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

LNOCO1 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.

Prerequisite: LNOBO1 or with demonstrated proficiency.

FRENCH AS A SECOND LANGUAGE

Core French

Core French Grade 10

FSF2D1/B Academic/IB

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/IB

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/IB

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

Grade 10 (1/2 credit)

GLC205

Open

This course gives students the opportunity to develop the skills, knowledge, and habits that will support them in their education and career/life planning. Students will learn about global work trends, and seek opportunities within the school and community to expand and strengthen their transferable skills and their ability to adapt to the changing world of work. On the basis of exploration, reflective practice, and decision-making processes, students will make connections between their skills, interests, and values and their postsecondary options, whether in apprenticeship training, college, community living, university, or the workplace. They will set goals and create a plan for their first post-secondary year. As part of their preparation for the future, they will learn about personal financial management – including the variety of saving and borrowing tools available to them and how to use them to their advantage – and develop a budget for their first year after secondary school. This course will include a mandatory unit on mental health literacy.

Prerequisite: None

Creating Opportunities through Cooperative Education

Grade 11 (2 Credits)

DCO30C

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)

Grade 12 (2 Credits)

COP4X2

Open

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 Living and Large-Group

Activities - Volleyball Academy

Grade 9 (2 Credits)

PAL102

University

This course equips students with 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. The focus of this course is volleyball.

Prerequisite: None

Healthy Living and Large-Group

Activities - Volleyball Academy

Grade 10 (2 Credits)

PAL202

University

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. The focus of this course is volleyball.

Prerequisite: None

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

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

**PPL201
Open**

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

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

**PPL301
Open**

**Healthy Living and Personal and Fitness Activities - Co-Ed
Grades 11/12**

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

**PAF301
Open**

**Health for Life
Grades 11/12 - eLearning**

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

**PPZ3CE
College**

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

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.

Prerequisite: None

**PPL401
Open**

**Introductory Kinesiology
Grade 12 - eLearning**

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

Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 course in health and physical education

**PSK4UE
University**

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/IB**

**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

**MFM2P1
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: MAT1L1 or MTH1W1

**MAT2L1
Locally Developed**

**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/IB**

**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 MFM2P1

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

Prerequisite: MFM2P1

**MBF3C1/E
College/eLearning**

**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/IB****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 MC-V4U1/B

**MCV4U1/B/E
University/IB/eLearning****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 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

**SNC2D1/B
Academic/IB****Science
Grade 10**

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

**SNC2P1
Applied****Biology****Biology
Grade 11**

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

**SBI3U1/B/E
University/IB/eLearning****Biology
Grade 11**

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**

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

**SBI3C1
College****SBI4U1/B
University/IB****Chemistry****Chemistry
Grade 11**

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

**SCH3U1/B/E
University/IB/eLearning****Chemistry
Grade 12 - eLearning**

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

Prerequisite: SCH3U1/B

**SCH4U1/B/E
University/IB/****Chemistry
Grade 12 - eLearning**

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

**SCH4CE
College**

Physics

Physics
Grade 11

SPH3U1/B
University/IB

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- eLearning

SPH4U1/B/E
University/IB

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

Physics
Grade 12 - eLearning

SPH4CE
College

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment.

Prerequisite: SNC2P1 or SNC2D1/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

HFN2O1
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

General Social Science

Housing and Home Design
Grade 11

HLS3O1
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

Raising Healthy Children
Grade 11 - eLearning

HPC3O5
Open

This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.

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 - eLearning

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.

HSB4UE
University

Human Development Throughout the Lifespan Grade 12 - In Class or eLearning

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.

HHG4M1
University/College

Personal Life Management Grade 12

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

HIP401
Open

Philosophy

Philosophy: Questions and Theories Grade 12

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

HZT4U1/B
University/IB

TECHNOLOGICAL EDUCATION

Communications Technology

Communications Technology Grade 10

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

TGJ201
Open

Communications Technology: Interactive Media Grade 11

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

TGJ3M1
U/C/eLearning

Communications Technology: Interactive Media Grade 12

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

TGJ4M1
University/College

Communications Technology: Print and Graphic Communication (Yearbook)

Grade 11

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

TGG3M1

University/College

Communications Technology: Print and Graphic Communication (Yearbook)

Grade 12

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

TGG4M1

University/College

Computer Technology

Computer Engineering Technology

Grade 11

Design, program, and battle robots while learning about computer hardware and electronics. 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

TEJ3M1

University/College

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

Design, program, and battle robots while further exploring computer hardware and electronics. 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 **TCJ2O1**
Grade 10 **Open**

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will 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 construction. 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 **TWJ3E1**
Grade 11 **Workplace**

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

Construction Technology **TCJ4C1/4E1**
Grade 12 **College/Workplace**

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

Design Technology

Technological Design (Board Game Design) **TBJ2O1**
Grade 10 **Open**

Analyze, build and playtest board, card, and video games while learning to utilize the design process. 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 will include designs for card games, board games, video games, physical structures, vehicles, and other products. 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

Health and Personal Services

Health Care **TPJ3M1**
Grade 11 **University/College**

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 **TPJ3C1**
Grade 11 **College**

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 **TPJ4M1**
Grade 12 **University/College**

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 treatment. 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 **TPJ4C1**
Grade 12 **College**

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 **TMJ2O1**
Grade 10 **Open**

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 (2 Credits) TMJ3C2
Grade 11 College

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 (2 Credits) TMJ3E2
Grade 11 Workplace

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 (2 Credits) TMJ4C2
Grade 12 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: TMJ3C2

Manufacturing Technology: Welding (2 Credits) TMJ4E2
Grade 12 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 TTJ201
Grade 10 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 TTA3C1
Grade 11 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: Vehicle Ownership TTJ301
Grade 11 Open

This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry.

Prerequisite: None

Transportation Technology: Auto Service TTA4C1/TTJ4E1
Grade 12 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

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 (Alternative Program)

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 about admission requirements or 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) & TMJ4E/4C

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.

In first semester, students have the opportunity to enroll in program specific college classes as a dual credit student (top-up credit in an actual college class with college students) as well as General Education Electives that are congregated (only high school students).

In second semester, students have the opportunity to enroll in General Education Electives and program specific classes that are all offered as congregated classes (only high school students).

Please check with Student Services to confirm which courses are available each semester.

SENIOR SPECIALIST FOCUS LEARNING

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.

Focused Apprenticeship Skills Training (OYAP-FAST)

If you are interested in learning more about the skilled trades through cooperative education, OYAP-FAST is an accelerated stream within OYAP that will allow students in Grades 11 and 12 to participate in more apprenticeship learning through additional co-operative education credits while completing their OSSD.

To participate in OYAP-FAST, students must:

- Meet the OYAP eligibility requirements -15 years or older, have completed 14 credits toward OSSD
- Have signed parent/guardian consent to participate in OYAP-FAST

Completion requirements for OYAP-FAST include that a student has:

- Earned 8 to 11 cooperative education credits with their placement component in the skilled trades.
- Registered as an apprentice (obtained a Registered Training Agreement (RTA)) by the time they complete their eighth cooperative education credit.

Students who meet the above completion requirements and all other OSSD requirements will be awarded the OYAP-FAST seal on their OSSD.

Creating Opportunities Through Cooperative Education: First Cooperative Education Experience Focused Apprenticeship Skills Training (OYAP-FAST) - Open **2 Credits** **COP3F2**

Creating Opportunities Through Cooperative Education: First Cooperative Education Experience Focused Apprenticeship Skills Training (OYAP-FAST) - Open **4 Credits** **COP3F4**

Creating Opportunities Through Cooperative Education: Second Cooperative Education Experience Focused Apprenticeship Skills Training (OYAP-FAST) - Open **2 Credits** **COP4F2**

Creating Opportunities Through Cooperative Education: Second Cooperative Education Experience Focused Apprenticeship Skills Training (OYAP-FAST) - Open **4 Credits** **COP4F4**

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, as well as the March Break.

Naval Reserve

COP4XN

Summer Program (See Student Services)

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;
- Successfully complete the entrance requirements prior to the start (physical, medical, aptitude);
- Be able to attend program

Aviation Technology

COP4XV (4 credits) (TTL3C2/4C2, TTL3CC,/4CC)

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.



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 | Hammarskjold, *Westgate (*Subject to Ministry approval)

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.

Environment | Superior

For students who are interested in a career in the Environmental Sciences. Students will develop the knowledge and skills required for work in this field whether they pursue an apprenticeship, college, university, or

workplace pathway. 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. The Environmental industry presents a wide range of high-demand and flexible career options including Arborists; Conservation or Fishery Officers; Environmental Engineers, Biologists, and Planners; and Hunting and Fishing Guides.

Health & Wellness | Superior

For students who are interested in a career in the Health and Wellness sector (child and youth work, Aboriginal 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 | Hammarskjold

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

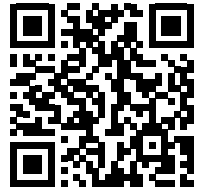
For students who are interested in a career in the Transportation Services sector (automotive service, heavy duty equipment operation, stationary engineering, electrical engineering, machine operation, and more) this Specialist High Skills Major offers students a solid foundation in the area of study. 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.

Links

Staying Connected with Superior CVI and Lakehead Public Schools

Superior CVI Website

superior.lakeheadschoos.ca



Superior CVI Instagram

@superior_cvi

Superior CVI Facebook

[www.facebook.com/
superiorcollegiate](http://www.facebook.com/superiorcollegiate)



Superior CVI Phone

807-768-7284

**Lakehead Public Schools
Website**

lakeheadschoos.ca



**Lakehead Public Schools
Instagram**

@lakeheadschoos

**Lakehead Public Schools
Facebook**

[www.facebook.com/
lakeheadschoos](http://www.facebook.com/lakeheadschoos)

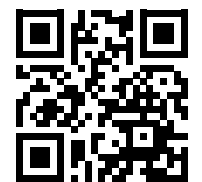


**Lakehead Public School
Board Phone**

(807) 625-5100

Student Transportation

ststb.ca/en



**Student Transportation
Phone**

(807) 625-1660

Post-Secondary Research Links

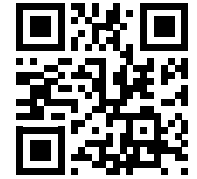
Ontario University Info

www.ontariouniversitiesinfo.ca



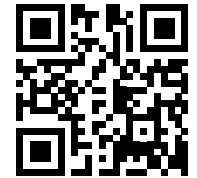
**Ontario University
Application Centre (OUAC)**

www.ouac.on.ca



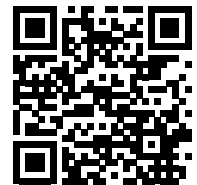
Lakehead University

www.lakeheadu.ca



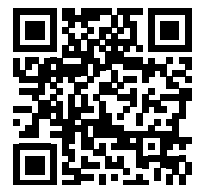
**Ontario Colleges (OCAS –
Application Centre)**

www.ontariocolleges.ca



Confederation College

www.confederationcollege.ca



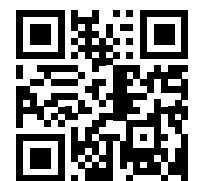
**Ontario's Transfer and
Pathways Guide**

ontransfer.ca



**CanGap Association (gap
year)**

www.cangap.ca



Gap Year Canada

www.gapyearcanada.com



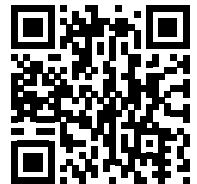
Trades

skilledtradesontario.ca



Skilled Trades Ontario

www.ontario.ca/page/skilled-trades



Careers in the Trades

careersintrades.ca



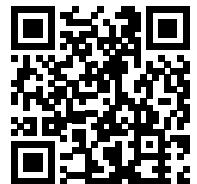
**Ontario Youth
Apprenticeship Program
(OYAP)**

www.oyappajo.com



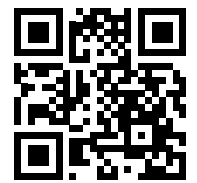
Apprentice Search

www.apprenticesearch.com



**Northwest Employment
Works**

northwestworks.ca



YES Employment Services

yesjobsnow.com



Government of Canada Job Bank

www.jobbank.gc.ca/home



Canadian Armed Forces

forces.ca/en



Important Links

Edsby

[www.lakeheadschoools.ca/
student-resources/edsby/](http://www.lakeheadschoools.ca/student-resources/edsby/)



eLearning/Brightspace/D2L

[lhbe.elearningontario.ca/
d2l/login](http://lhbe.elearningontario.ca/d2l/login)



Office 365

[www.lakeheadschoools.
ca/student-resources/
office-365/](http://www.lakeheadschoools.ca/student-resources/office-365/)



Hour Republic (Volunteer Hours)

[www.lakeheadschoools.
ca/student-resources/
volunteer-hours/](http://www.lakeheadschoools.ca/student-resources/volunteer-hours/)



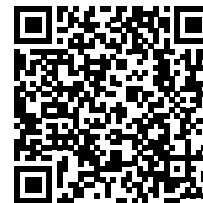
**Xello (Individual Pathways
Plan, Course Planner)**

login.xello.world/



**SchoolCashOnline (Pay for
student fees and activities)**

[www.lakeheadschoools.
ca/student-resources/
schoolcash-online/](https://www.lakeheadschoools.ca/student-resources/schoolcash-online/)



Homework Help

[www.lakeheadschoools.
ca/student-resources/
homework-help/](https://www.lakeheadschoools.ca/student-resources/homework-help/)



Mental Health Resources

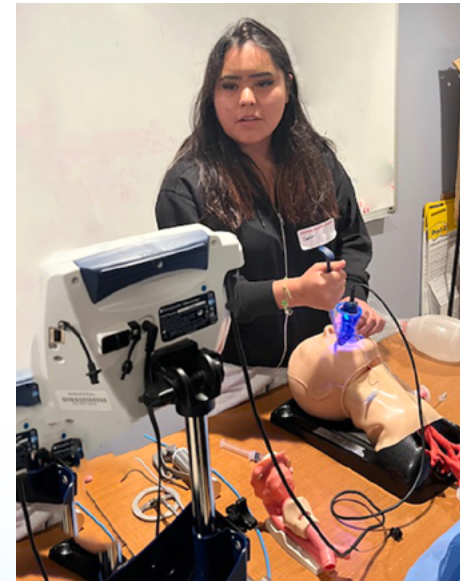
[www.lakeheadschoools.ca/
student-resources/mental-
health-resources/](https://www.lakeheadschoools.ca/student-resources/mental-health-resources/)



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Programme | World School**

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Health & Wellness
Manufacturing**



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Thunder Bay, ON P7A 5S3
(807) 768-7284 | superior.lakeheadschoools.ca