

2021-2022

# COURSE CALENDAR

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# WESTGATE COLLEGIATE AND VOCATIONAL INSTITUTE



**ALWAYS ONLY**  
**THE BEST**

*Semper Solum Optimum*

# Welcome Bienvenue Biindigan

## WESTGATE COLLEGIATE AND VOCATIONAL INSTITUTE

**School Colours**  
Orange and Black

**School Team**  
Tigers

**Student Population**  
1,050

**Founded**  
1960

**Principal**  
Ms. C. Klein

**Vice Principal**  
Mr. J. Upton  
Mr. D. McCallum

**School Council Chairs**  
Mr. A. McCormick  
Mrs. D. Trevisan

**Student Services Chair**  
Ms. C. Forbes

### Family of Schools

- Crestview ● Elsie MacGill ● Kakabeka Falls ● Kingsway ● McKellar Park ● Nor'wester View
- Ogden Community ● Sherbrooke ● Valley Central ● Westmount ● Whitefish Valley

### Grade 9 at Westgate CVI | 2021-22

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

Mathematics - Academic (Pre-AP)	MTW1WA	Science - Applied	SNC1P1
Mathematics - Destreamed	MTW1W1	Science - Locally Developed	SNC1L1
Mathematics - Locally Developed	MAT1L1	French - Academic	FSF1D1
English - Academic	ENG1D1	French - Applied	FSF1P1
English - Academic (Pre-AP)	ENG1DA	Geography - Academic	CGC1D1
English - Applied	ENG1P1	Geography - Applied	CGC1P1
English - Locally Developed	ENG1L1	Health and Physical Education - Open	PPL1OY/X
Science - Academic	SNC1D1	FNMI Languages - Open	LNOA01
Science - Academic (Pre-AP)	SNC1DA		

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

Dance - Open	ATC101
Drama - Open	ADA101
Business Technology - Open	BTT101
Exploring Technology - Open	TIJ101
Expressions of Aboriginal Culture - Open	NAC101
Music - Open	AMI101
Music (Guitar) - Open	AMG101
Visual Arts - Open	AVI101
General Learning Strategies - Open	GLS101



# WESTGATE

## COLLEGIATE AND VOCATIONAL INSTITUTE

### Academics

We offer innovative programs to suit a wide variety of students drawn from both the city and rural areas. Caring and committed staff provide students with opportunities to earn their compulsory and elective credits at the essential, open, applied, and academic levels in courses like Art, Business, Canadian and World Studies, Computer Studies, English, FNMI Language, French, Guidance and Career Education, Health and Physical Education, Mathematics, Science, Social Science and Technology. For those seeking greater academic challenge we offer courses in English, Math, and Science at the Pre-Advanced Placement and Advanced Placement Levels. See Page 3 for more information.

### Academic and Cultural Support for First Nation, Metis and Inuit Students

Westgate is fortunate to have a Four Directions Program that includes Graduation Coaching, a Learning Lodge with an Aboriginal Achievement Tutor and the Biwaase'aa program. All of these programs offer academic and social support combined with opportunities that enhance the students' cultural, mental, physical and emotional well-being.

### Special Education

Westgate is proud to be a school that values inclusion and celebrates individual strengths and differences. Westgate offers a school-based program combined with Pre-Workplace, Special Needs and Multi-Needs programs – the widest range of special education opportunities in the city. Contact our Special Education Manager for more information.

### Arts Education

We are proud of the comprehensive arts programming offered at Westgate: crafts, dance, drama, fashion, architectural design, guitar, music, stage band, visual arts and vocal training. Major productions including musicals, art exhibits at the Thunder Bay Art Gallery, dance performances and music concerts all offer our students the opportunity to shine.

### Technological Education

The technological education program at Westgate, with state of the art equipment and facilities, equips our students to meet the challenges and the opportunities of the future. Beginning with Exploring Technologies, we design and create products with a wide variety of industry-standard tools, equipment and software. A pathway to further technology courses is clear with courses in Communication, Construction, Green Industries, Design, Manufacturing and Transportation starting in Grade 10. Building on prior skills and knowledge, students become technologically literate and are able to make solid de-

isions about their future.

### Specialist High Skills Major Programs

For our senior students (Grades 11 and 12), Westgate is proud to offer Specialist High Skills Major programming in six distinct areas: Arts and Culture, Aviation and Aerospace, Business combined with an Aboriginal Youth Entrepreneurship Program, Hospitality with a culinary focus, Manufacturing and Transportation Service. Specialist High Skills Major Programs allow students to focus on a career pathway that matches their interests while meeting the requirements of the Ontario Secondary School Diploma. Students in these programs receive specialized training and certifications as well as a host of other benefits. Speak to Student Services for more information about the six amazing opportunities offered through Westgate in Specialist High Skills Major Programs.

### Athletics

From championship teams to intramural pick-up games at lunch, Westgate offers a full array of athletic opportunities. Our positive sportsmanship at Westgate means that many students participate and our teams bring home trophies! Check out football, basketball, curling, cheerleading, wrestling, track and field, volleyball and more by coming to try-outs!

### Students' Council

Westgate's SAC is one of the largest and the best in the city! Throughout the year, SAC plans exciting events for the student body including Spirit Weeks, Pep Rallies, Corn Roasts, Semi-Formal Dinner Dances and more. In addition, SAC actively supports local charities like the United Way and Christmas Cheer by hosting events to raise funds at school. All are welcome – join to make friends, develop your leadership skills and make a difference at Westgate!



**IT'S MY TIME TO BE A  
WESTGATE TIGER**

# AP

## ADVANCED PLACEMENT

Challenge Yourself!

### What is AP?

AP is an enriched academic program where students have the flexibility to take one or all of the AP courses offered at Westgate CVI (with recognized standardized testing during your senior year).

Advanced Placement is a program that offers students the opportunity to participate in a more challenging academic program whose ultimate goal is to give students the option to take standardized Advanced Placement exams in Grade 12. Depending on the results and the university, students may receive advanced standing or university credit in first year.

### The AP Examinations

Students in AP courses do not have to take the exams. The AP Examinations have no bearing on the students' marks in the course. They are an opportunity for students to measure themselves against the best students in those subjects worldwide and, as noted above, to potentially receive university credits while still in high school.

### What is Pre-AP

At Westgate, students can opt to take their Pre-AP 9-11 Mathematics, Science and English credits at the AP level (ENG1DA rather than ENG 1D1, for example).

These courses, in addition to covering The Ontario Curriculum, will be enriched academic courses with the goal of exposing students to the vocabulary and style of AP examinations. It should be noted that students will be evaluated in exactly the same way as students in the regular academic stream; the expectations are not greater. The difference is that students will encounter more sophisticated content. These courses will naturally lead to Grade 12 AP courses, at the end of which the students will have the option of writing the AP Examinations, which occur in May each year.

While we encourage students interested in this avenue to take Pre-AP beginning in Grade 9, students may still opt for AP courses in Grades 11 and 12 without having taken Pre-AP provided they have demonstrated an appropriate aptitude for the particular subject.

### Why Take AP?

Advanced Placement courses customize learning tailored to your academic strengths. The program is an excellent preparation for post-secondary (university) education, and you will be studying

with other, like-minded students. All teachers are AP trained and certified, and are specialists in their respective subjects.

### AP English

- Engage in rich course material, classroom discussion, and unique assignments to help develop the knowledge and critical thinking skills needed for post secondary studies;
- Take part in the rigorous study of a variety of texts
- from the 1600s to the present, providing opportunity for developing knowledge through inquiry, communication, and collaboration; and
- Learn to write essays using the style and form appropriate for the demands of university courses.

### AP Mathematics

- Expose yourself to the rigour of university Calculus;
- Learn and graduate with like-minded, academically motivated students; and
- Develop the work ethic, problem solving and critical thinking skills necessary for success at the university level.

### AP Biology

- Earn potential university credit while in high school;
- Participate in more sophisticated and complex inquiry lab activities; and
- Develop and refine analytical and mathematical skills and their applications.

### Is AP Right for Me?

Are you:

- an independent and motivated learner with a strong work ethic?
- an avid reader and effective communicator?
- a strong critical and creative thinker who enjoys solving problems and analyzing how things work?
- curious about the world around you and eager to challenge yourself to expand your learning at Westgate?

*If you perform at a high level in Mathematics, Science, History, Geography and Language, like to read, are willing to problem solve, and seek challenges, Pre-Advanced Placement and Advanced Placement (AP) just might be for you.*



# SELECTION & PLANNING

## Diplomas and Certificates

### Ontario Secondary School Diploma (OSSD)

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

#### 18 Compulsory Credits

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

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

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

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

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

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

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

#### 12 elective credits

#### 40 hours of community involvement activities

### Ontario Secondary School Literacy Requirement

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

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

\*\*\* Students who have taken Native languages in the place of French as a second language in elementary school may use a Level 1 or 2 Native language course to meet the compulsory credit requirement for French as a second language.

### What is an Individual Education Plan?

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

### Ontario Secondary School Certificate (OSSC)

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

#### Compulsory Credits

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

#### Elective Credits

7 credits selected by the student from available courses

### Certificate of Accomplishment

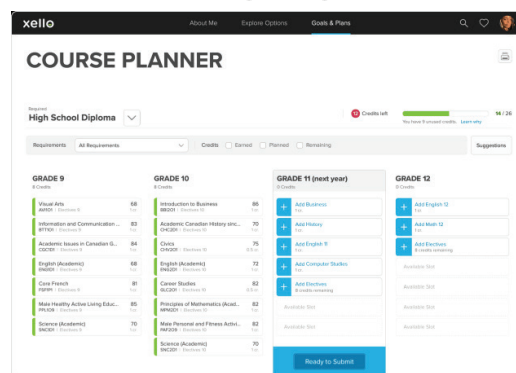
Students who leave school before fulfilling the requirements for the Ontario Secondary School diploma or the Ontario Secondary School Certificate may be granted a Certificate of Accomplishment.

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

## 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.

xello



## Your Individual Pathways Plan (IPP)

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

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

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

**A career is your path through life.**

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

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

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

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

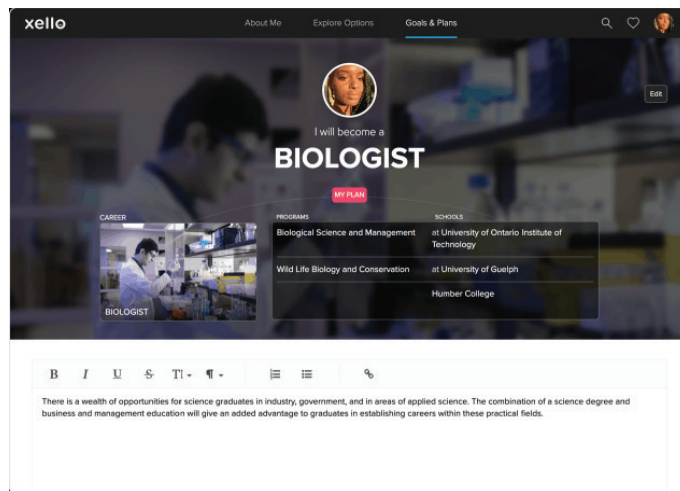
**Student Services Guidance Counsellors will be a valuable resource for searches, course selection, career exploration, support and so much more. Talk to your counsellor about your ideas, goals, and dreams.**

## Explore Options, Goals & Plans

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

### Explore Options

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



### Explore Careers

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



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

### Deep Dive on a Career

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

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

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



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

### Explore Programs

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

## Time to Explore!

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



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

## Explore Schools

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

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

## Goals & Plans

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

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

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



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

**Use your Office ID to login to Edsby at [lakehead.edsby.com](http://lakehead.edsby.com) or download the Edsby app from your app store.**

## Need2Know

### Current Grade 9s

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

### Current Grade 10s

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

### Current Grade 11s

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

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

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

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

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

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

For a comprehensive list of Universities and programs, as well as prerequisites and admissions requirements, visit: [www.electronicinfo.ca](http://www.electronicinfo.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](http://www.ontariocolleges.ca)

For more information on trades, visit: [www.skilledtrades.ca](http://www.skilledtrades.ca)

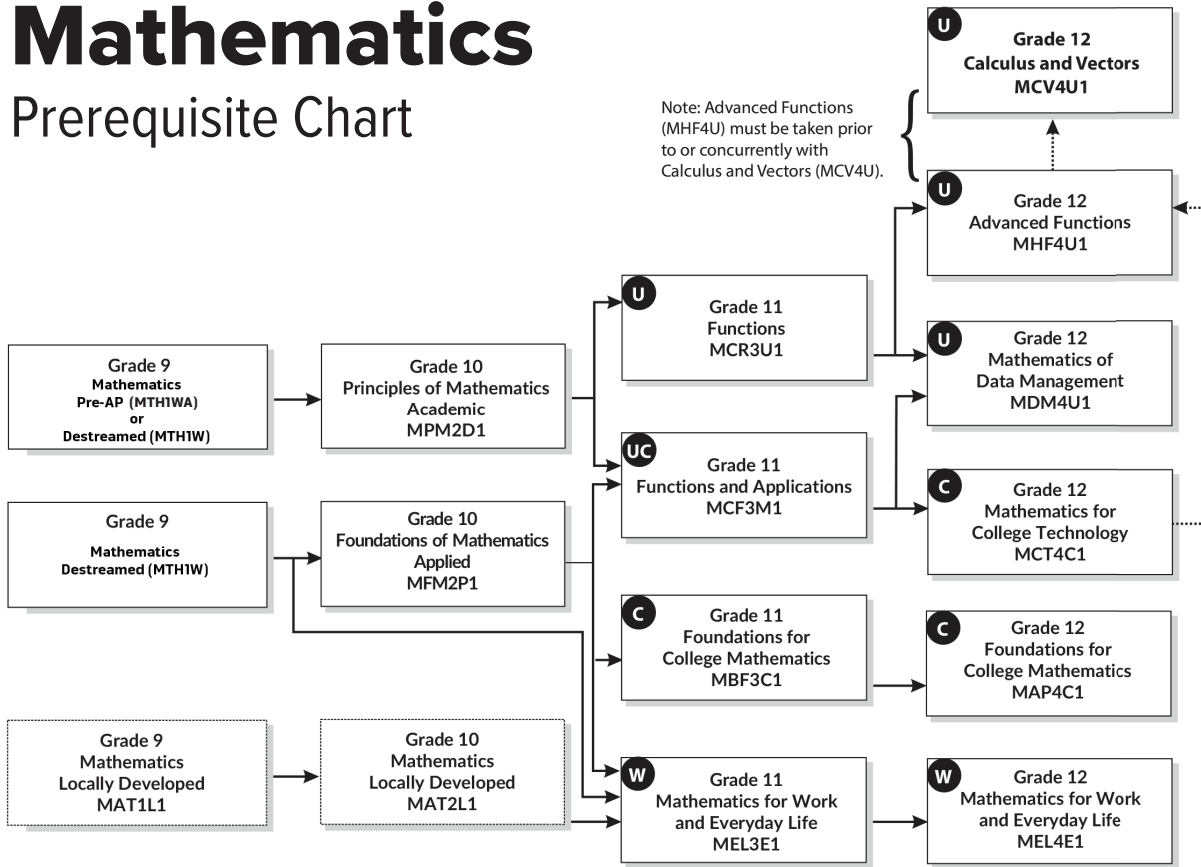
General information: [www.osca.ca](http://www.osca.ca)





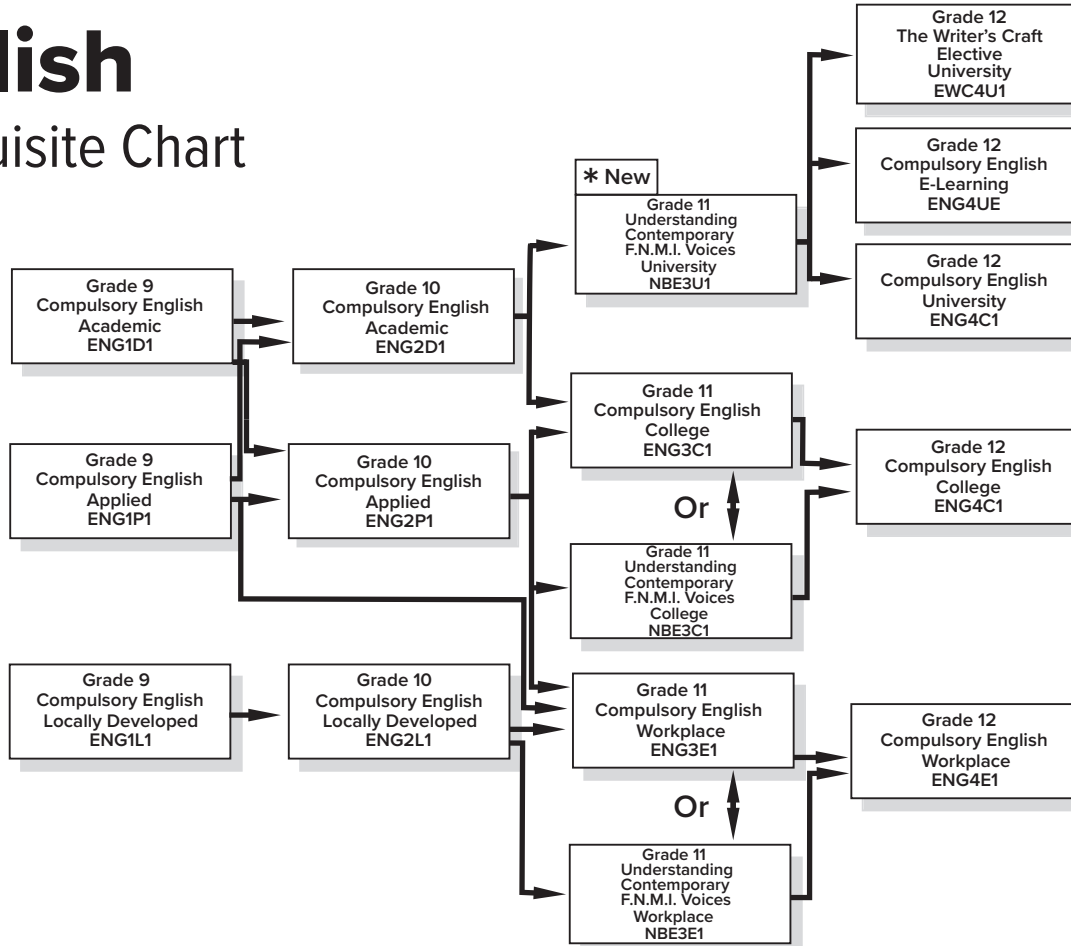
# Mathematics

## Prerequisite Chart



# English

## Prerequisite Chart



# WCVI COURSES

## The Arts

Course Descriptions: p.15-16

	Course Code	Prerequisite	
<b>Dance</b>			
Dance - Open	ATC201		
Dance - U/C	ATC3M1	ATC101 or 201	
Dance - U/C	ATC4M1	ATC3M1	
<b>Drama</b>			
Drama - Open	ADA201		
Drama - U/C	ADA3M1	ADA101 or 201	
Drama - U/C	ADA4M1	ADA3M1	
<b>Music</b>			
Music - Open	Instrumental	AMI201	
Music - Open	Guitar	AMG201	
Music - Open	Vocal/Choral	AMV201	
Music - U/C	Instrumental	AMI3M1	AMI101 or 201
Music - U/C	Repertoire (Stage Band)*	AMR3M1	AMI101 or 201
Music - Open	Guitar	AMG301	AMG201 or 10K or 101
Music - Open	Vocal	AMV301	AMV201
Music - U/C	Instrumental	AMI4M1	AMI3M1 or 301
Music - U/C	Guitar	AMG4M1	AMG301
Music - U/C	Repertoire (Stage Band)*	AMR4M1	AMR3M1 or AMI3M1
Music - U/C	Vocal	AMV4M1	AMV301
Music - Workplace	Guitar	AMU4E1	AMG301
<i>* AMR3M/4M will run after school, all year, Tuesdays &amp; Thursdays</i>			
<b>Drama / Dance Musical Theatre</b>			
Drama / Dance Musical Theatre - U/C **	11ADAT	ADA101 or ATC101 or ADA101 or ADA201	
<b>Visual Arts</b>			
Visual Arts - Open	AVI201		
Visual Arts - U/C	AVI3M1	AVI101 or 201	
Visual Arts - U/C	Crafts	AWA3M1	AWA201 or AVI101 or 201
Visual Arts - Open	AVI301	AVI101 or 201	
Visual Arts - U/C	AVI4M1	AVI301 or 3M1	
Visual Arts - U/C	Crafts	AWA4M1	AWA3M1 or AVI301 or 3M1
Visual Arts - Workplace	AVI4E1	AVI301	

\*\* This is a double credit, performance bundle of two credits

6th Character Designations

A=Advanced Placement D=Dual Credit E=eLearning F=French Immersion R=No Previous Experience Required

S=Specialist High Skills Major X=Females Y=Males 1=1 Credit 2=2 Credit 5= ½ Credit

5th Character Course Pathways

Academic (D) Applied (P) University (U) College (C) Workplace (E)

Abbreviations LDCC=Locally Developed Compulsory Course (L) U/C=University/College (M)

## Business Studies

Course Descriptions: p.16-17

	Course Code	Prerequisite
<b>Business</b>		
Introduction to Business - Open	BBI200	
<b>Accounting</b>		
Financial Accounting Fundamentals - U/C	BAF3M1*	
Financial Accounting Principles - U/C	BAT4M1	BAF3M1
<b>International Business</b>		
International Business Fundamentals - U/C	BBB4M1*	
<b>Marketing</b>		
Marketing: Goods, Services, and Events - College	BMI3C1*	
Marketing: Retail and Service - Workplace	BMX3E1	
Sports and Entertainment Marketing - University	IDC4U1	
<b>Business Leadership</b>		
Business Leadership Management - U/C eLearning	BOH4ME - See p.17	
<b>Yearbook</b>		
Designing the School Yearbook - Open*	IDC301	

\* Designing the School Yearbook runs 2x per week after school, all year.

## Canadian and World Studies

Course Descriptions: p.17-18

	Course Code	Prerequisite
<b>Civics (Politics)</b>		
Civics and Citizenship - Open	0.5 Credit	CHV205
Civics and Citizenship - Open	0.5 Credit - eLearning	CHV20E - Open to all students; spots are limited
<b>Geography</b>		
Travel and Tourism: A Geographical Perspective - Open	CGG301	CGC1D1 or 1P1
World Issues - A Geographical Analysis - University	CGW4U1	See p.17
The Environment and Resource Management - U/C - eLearning	CGR4ME	See p.17
<b>History</b>		
First Nations, Métis, and Inuit Peoples of Canada - Open	NAC201^	
Canadian History Since World War 1 - Academic	CHC2D1	
Canadian History Since World War 1 - Applied	CHC2P1	
Canadian History Since World War 1 - LDCC	CHC2L1	
World History to the End of the 15th Century - U/C	CHW3M1	CHC2P1 or 2D1 or NAC201
World History Since the 15th Century - University	CHY4U1	See p.18
World History Since the 15th Century - College	CHY4C1	See p.18
^ NAC201 may be taken as the Grade 10 compulsory History credit. See Student Services.		
<b>Law</b>		
Understanding Canadian Law - U/C	CLU3M1	CHC2P1 or 2D1 or NAC201
Understanding Canadian Law - Workplace	CLU3E1	CHC2L1 or 2P1 or NAC201
Canadian and International Law - University	CLN4U1	See p.18
Legal Studies - College	CLN4C1	CHV205

## Computer Studies

Course Descriptions: p.18-19

	Course Code	Prerequisite
<b>Computer Studies</b>		
Introduction to Computer Studies - Open	ICS201	
Introduction to Computer Studies - University	ICS3U1	
Introduction to Computer Studies - College	ICS3C1	

Computer Science - University	ICS4U1	ICS3U1
Computer Programming - College	ICS4C1	ICS3C1 or 3U1

## English

Course Descriptions: p.19-20

### English

	Course Code	Prerequisite
Compulsory English - Academic	ENG2D1	ENG1P1 or 1D1 or 1DA
* NEW Compulsory English - Academic (Pre-Advanced Placement)	ENG2DA	ENG1P1 or 1D1 or 1DA
Compulsory English - Applied	ENG2P1	ENG1P1 or 1D1
Compulsory English - LDCC	ENG2L1	ENG1L1
Compulsory English: First Nations, Métis, and Inuit Voices - University	NBE3U1	ENG2D1 or 2DA
Compulsory English - University (Pre-Advanced Placement)	ENG3UA	ENG2D1 or 2DA
Compulsory English - College	ENG3C1	ENG2P1
English: First Nations, Métis, and Inuit Voices - College	NBE3C1*	ENG2D1 or 2P1
Compulsory English - Workplace	ENG3E1	ENG2L1 or 2P1
English: First Nations, Métis, and Inuit Voices - Workplace	NBE3E1*	ENG2D1 or 2P1 or 2L1
Compulsory English - University	ENG4U1	ENG3U1 or 3UA or NBE3U1
Compulsory English - University (Advanced Placement)	ENG4UA	ENG3U1 or 3UA or NBE3U1
Compulsory English - University - eLearning (see p. 20)	ENG4UE	ENG3U1 or 3UA or NBE3U1
Compulsory English - College	ENG4C1	ENG3C1 or NBE3C1
Compulsory English - Workplace	ENG4E1	ENG3E1 or NBE3E1
The Writer's Craft - University - eLearning (see p.20)	EWC4UE	ENG33U1 or 3UA or NBE3U1
Ontario Secondary School Literacy Course - Open	OLC4O1	See p.19

## First Nations, Métis, and Inuit Languages and Studies

Course Descriptions: p.20-21

### First Nations, Métis, and Inuit Languages and Studies

	Course Code	Prerequisite
FNMI Languages: Ojibwe, Level 1 - Open	LNOA01	
FNMI Languages: Ojibwe, Level 2 - Open	LNOB01	LNOA01 or ~
FNMI Languages: Ojibwe, Level 3 - Open	LNOC01	LNOB01 or ~
<i>~Demonstrated proficiency</i>		
First Nations, Métis, and Inuit Peoples of Canada - Open	NAC201	
English: Understanding FNMI Voices - College	NBE3C1*	ENG2P1
English: Understanding FNMI Voices - Workplace	NBE3E1*	ENG2L1 or 2P1
<i>* Credit may be used to meet the Grade 11 English Compulsory credit requirement.</i>		
Beliefs, Values and Aspirations of Aboriginal Peoples in Contemporary Society - College	NBV3C1	NAC201 or CHC2P1 or 2D1
Issues of Indigenous People in a Global Context - U/C	NDW4M1	See p.21

## First Nations, Métis, and Inuit Business

The Aboriginal Youth Entrepreneurship Program (AYEP) is funded, and dependent on funding, by the Paul Martin Family Foundation and as specified, is only open to First Nations, Métis, and Inuit students.

Introduction to Entrepreneurship - College	BDI3CZ	See p.21
E-Commerce - College	BDV4CZ	See p.21

Students are reminded that it may be difficult or impossible to change a course once school starts in September.

Course selections made in February for the following year are the basis upon which classes are structured and staff is assigned. After staffing and the school's master timetable are established, subsequent changes in a student's program are possible but very much restricted, and are considered if timetable and class size permit.

Where enrolment is insufficient, a course may be canceled.

## French as a Second Language

Course Descriptions: p.21

	Course Code	Prerequisite
<b>Core French - Academic</b>	<b>FSF2D1</b>	<b>FSF1P1 or 1D1</b>
<b>Core French - University</b>	<b>FSF3U1</b>	<b>FSF2D1</b>
<b>Core French - University</b>	<b>FSF4U1</b>	<b>FSF3D1</b>

## Guidance and Career Education

Course Descriptions: p.22

	Course Code	Prerequisite
<b>Career Studies - Open</b> 0.5 Credit	<b>GLC205</b>	
<b>Career Studies - Open</b> 0.5 Credit - eLearning	<b>GLC20E</b> - <i>Open to all students; spots are limited</i>	
<b>Creating Opportunities Through Cooperative Education</b> - Open 2 Credits	<b>DCO302</b>	
<b>Cooperative Education - Open</b> 2 Credits <i>+ SHSM Cooperative Education</i>	<b>COP4X2+</b>	

## Health and Physical Education

Course Descriptions: p.22

	Course Code	Prerequisite
<b>Healthy Active Living Education - Open</b> Female	<b>PPL20X</b>	
<b>Healthy Active Living Education - Open</b> Male	<b>PPL20Y</b>	
<b>Health for Life - College</b> eLearning	<b>PPZ3CE</b>	
<b>Healthy Active Living Education - Open</b> Female	<b>PPL30X</b>	
<b>Healthy Active Living Education - Open</b> Male	<b>PPL30Y</b>	
<b>Personal Lifetime Fitness - Open</b>	<b>PAF301</b>	
<b>Healthy Active Living Education - Open</b>	<b>PPL401</b>	
<b>Personal Lifetime Fitness - Open</b>	<b>PAF401</b>	
<b>Introduction to Kinesiology - University</b>	<b>PSK4U1</b>	<b>(see p.22)</b>

## Mathematics

Course Descriptions: p.23-24

	Course Code	Prerequisite
<b>Principles of Mathematics - Academic</b>	<b>MPM2D1</b>	<b>MPM1D1 or 1DA</b>
<b>Principles of Mathematics - Academic (Pre-AP)</b>	<b>MPM2DA</b>	<b>MPM1D1 or 1DA</b>
<b>Foundations of Mathematics - Applied</b>	<b>MFM2P1</b>	<b>MFM1P1 or MPM1D1</b>
<b>Mathematics - LDCC</b>	<b>MAT2L1</b>	<b>MAT1L1 or MFM1P1</b>
<b>Functions - University</b>	<b>MCR3U1</b>	<b>MPM2D1 or 2DA</b>
<b>Functions - University (Pre-AP)</b>	<b>MCR3UA</b>	<b>MPM2D1 or 2DA</b>
<b>Functions and Applications - U/C</b>	<b>MCF3M1</b>	<b>MFM2P1 or MPM2D1</b>
<b>Functions for College Mathematics - College</b>	<b>MBF3C1</b>	<b>MFM2P1 or MPM2D1</b>
<b>Math for Work and Everyday Life - Workplace</b>	<b>MEL3E1</b>	<b>MFM1P1, MPM1D1 or MAT2L1</b>
<b>Advanced Functions - University</b>	<b>MHF4U1</b>	<b>MCR3U1/A or MCT4C1</b>
<b>Calculus and Vectors - University</b>	<b>MCV4U1</b>	<b>MHF4U1 (or concurrently)</b>
<i>Concurrent 2-credit offering for AP Mathematics Students - Full Year (12MFCV)</i>		
<b>Advanced Functions - University</b>	<b>MHF4U1</b>	<b>MCR3U1/A or MCT4C1</b>
<b>Calculus and Vectors - University (AP)</b>	<b>MCV4UA</b>	<b>MCR3UA and MHF4U1</b>
<b>Data Management - University</b>	<b>MDM4U1</b>	<b>MCR3U1 OR MCF3M1</b>
<b>Foundations for College Mathematics - College</b>	<b>MAP4C1</b>	<b>MBF3C1 OR MCF3M1</b>
<b>Mathematics for College Technology - College</b>	<b>MCT4C1</b>	<b>MCF3M1 OR MCR3U1</b>
<b>Math for Everyday Life - Workplace</b>	<b>MEL4E1</b>	<b>MEL3E1</b>

## Science

Course Descriptions: p.24-25

Course Code	Prerequisite
<b>Science - Academic</b>	<b>SNC2D1</b>
<b>Science - Academic (Pre-AP)</b>	<b>SNC2DA</b>
<b>Science - Applied</b>	<b>SNC2P1</b>
<b>Biology - University</b>	<b>SBI3U1</b>
<b>Biology - University (Pre-AP)</b>	<b>SBI3UA</b>
<b>Biology - College</b>	<b>SBI3C1</b>
<b>Biology - University</b>	<b>SBI4U1</b>
<b>Biology - University (AP)</b>	<b>SBI4UA</b>
<b>Chemistry - University</b>	<b>SCH3U1</b>
<b>Chemistry - University</b>	<b>SCH4U1</b>
<b>Chemistry - College</b>	<b>SCH4C1</b>
<b>Physics - University</b>	<b>SPH3U1</b>
<b>Physics - University</b>	<b>SPH4U1</b>
<b>Physics - College</b>	<b>SPH4C1</b>
<b>Environmental Science - U/C</b>	<b>SVN3M1</b>
<b>Environmental Science - Workplace</b>	<b>SVN3E1</b>

## Social Sciences and Humanities

Course Descriptions: p.25-26

Course Code	Prerequisite
<b>Family Studies</b>	
<b>Food and Nutrition - Open</b>	<b>HFN201</b>
<b>Food and Culture - U/C</b>	<b>HFC3M1</b>
<b>Food and Culture - Workplace</b>	<b>HFC3E1</b>
<b>Understanding Fashion - College</b>	<b>HNC3C1</b>
<b>Raising Healthy Children - Open</b>	<b>HPC301</b>
<b>Nutrition and Health - University</b>	<b>HFA4U1</b>
<b>Human Growth and Development Throughout the Lifespan - U/C</b>	<b>HHG4M1</b>
<b>Personal Life Management - Open</b>	<b>HIP401</b>
<b>General Social Science</b>	
<b>Intro to Anthropology, Psychology, and Sociology - University</b>	<b>HSP3U1</b>
<b>Challenge and Change in Society - University</b>	<b>HSB4U1</b>
<b>Challenge and Change in Society - University - eLearning</b>	<b>HSB4UE</b>

6th Character Designations

**A**=Advanced Placement **D**=Dual Credit **E**=eLearning **F**=French Immersion **R**=No Previous Experience Required

5th Character Course Pathways

**S**=Specialist High Skills Major **X**=Females **Y**=Males **1**=1 Credit **2**=2 Credit **5**= ½ Credit

Academic (**D**) Applied (**P**) University (**U**) College (**C**) Workplace (**E**)

Abbreviations LDCC=Locally Developed Compulsory Course (**L**) U/C=University/College (**M**)

Students are reminded that it may be difficult or impossible to change a course once school starts in September.

Course selections made in February for the following year are the basis upon which classes are structured and staff is assigned. After staffing and the school's master timetable are established, subsequent changes in a student's program are possible but very much restricted, and are considered if timetable and class size permit.

Where enrolment is insufficient, a course may be canceled.

# Technological Education

Course Descriptions: p.26-28

	Course Code	Prerequisite
<b>Construction Technology</b>		
Construction Technology - Open	TCJ201	
Construction Engineering Technology - College	TCJ3C1	
Construction Technology - Workplace	TCJ3E1	
Custom Woodworking - Workplace	TWJ3E1	
Construction Engineering Technology - College	TCJ4C1	TCJ3C1
Construction Technology - Workplace	TCJ4E1	TCJ3E1
<b>Green Industries</b>		
Green Industries - Open	THJ201	
<b>Manufacturing Technology</b>		
Manufacturing Technology - Open	TMJ201	
SHSM Manufacturing Technology - College (2 Credits)	TMJ3C2	
Manufacturing Technology - Workplace	TMW3E1	
SHSM Manufacturing Technology - Workplace (2 Credits)	TMJ3E2	
SHSM Manufacturing Technology - College (2 Credits)	TMJ4C2	TMJ3C2 or TMW3E1
SHSM Manufacturing Technology - Workplace (2 Credits)	TMJ4E2	TMJ3C2 or TMW3E1
Manufacturing Technology - Workplace	TMW4E1	TMW3E1 or TMJ3E1
<i>Students may earn one 'M' credit and one 'C' credit by registering in TMJ4C2. Note: Students may opt for Manufacturing and Transportation 2 credit courses and not join the SHSM, with permission of the Technology Department chair. Preference will be given to SHSM students.</i>		
<b>Technological Design</b>		
Technological Design - Open	TDJ201	
Technological Design and the Environment - Open	TDJ301	
Technological Design: Architectural Design - U/C	TDA3M1	
Technological Design: Architectural Design - U/C	TDA4M1	TDA3M1
<b>Transportation Technology</b>		
Transportation Technology - Open	TTJ201	
Transportation Technology: Vehicle Ownership - Open	TTJ301	
SHSM Transportation Technology: Auto Service - College (2 Credits)	TTA3C2	
SHSM Transportation Technology: Aviation - College (2 Credits)	TTL3C2	
SHSM Transportation Technology: Auto Service - College (2 Credits)	TTA4C2	TTA3C2
SHSM Transportation Technology: Aviation - College (2 Credits)	TTL4C2	TTL3C2
Transportation Technology: Vehicle Maintenance - Workplace	TTJ4E1	

Innovative, exciting and flexible opportunities are available that allow students to earn credits towards their diploma in many unique and varying environments. Whether online, in a career setting, post-secondary institution, or other educational facility, students participating in these programs work hands-on and build the skills and knowledge necessary to ensure their successful transition to their post-secondary career of choice. Many of these programs also provide free certifications, recognized training, or reach-ahead experiences to help students further focus their career pathway. All students can benefit from participation in these equal access programs. Students select courses online on Xello during February.



# SENIOR SPECIALIST FOCUS - GRADES 11 & 12

Information and application procedures are available at Student Services.

## Cooperative Education System Programs

Army Reserve	Sem 2	2 Credit	COP4XA	See Page 29
Naval Reserve	Sem 1&2	2 Credit	COP4XN	See Page 29
Aviation Technology   Westgate	Sem 2	4 Credit	COP4XV	See Page 29

**Ontario Youth Apprenticeship Program (OYAP)** - Application required when cooperative education placement specific to apprenticeship.

## Dual Credit Opportunities (School-College-Work Initiative) See Page 29-31 for more information

Designed for Senior Students who will be headed for college. Dual credit opportunities are different for each secondary school. College Now! Courses are offered on specific afternoons.

## eLearning

See Student Services for the semester the e-Learning courses will be offered.

Business Leadership Management - U/C	eLearning		BOH4ME	WEST
Civics & Citizenship - Open	½ credit	eLearning	CHV2OE	HAMM
Eligibility: Open to all students				
Career Studies - Open	½ credit	eLearning	GLC2OE	HAMM
Eligibility: Open to all students				
Challenge and Change in Society - University	eLearning		HSB4UE (See Page 26)	WEST
English - University	eLearning		ENG4UE	SUP
The Environment and Resource Management - U/C	eLearning		CGR4ME (See Page 17)	SUP
Healthy Active Living - College	eLearning		PPZ3CE	WEST
The Writer's Craft - University	eLearning		EWC4UE (ENG3U1)	WEST

## Specialist High Skills Major

Arts and Culture	Westgate	8 Credit Bundle	SHMART	See Page 32
Aviation and Aerospace	Westgate	9 Credit Bundle	SHMAVA	See Page 32
Business	Westgate	9 Credit Bundle	SHMBUS	See Page 32
Hospitality & Tourism	Westgate	8 Credit Bundle	SHMHTO	See Page 32
Manufacturing	Westgate	9 Credit Bundle	SHMMAN	See Page 32
Transportation Services	Westgate	9 Credit Bundle	SHMTTA	See Page 32





# COURSE DESCRIPTIONS

## The Arts

### Dance

**Dance** **ATC201**  
**Grade 10** **Open**

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

**Prerequisite: None**

**Dance** **ATC3M1**  
**Grade 11** **University/College**

This course emphasizes the development of students' artistry, improvisational and compositional skills, and technical proficiency in dance genres from around the world. Students will apply dance elements, techniques, and tools in a variety of ways, including performance situations; describe and model responsible practices related to the dance environment; and reflect on how the study of dance affects personal and artistic development.

**Prerequisite: ATC101 or ATC201**

**Dance** **ATC4M1**  
**Grade 12** **University/College**

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

**Prerequisite: ATC3M1**

### Drama

**Drama** **ADA201**  
**Grade 10** **Open**

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

**Prerequisite: None**

**Drama** **ADA3M1**  
**Grade 11** **University/College**

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

**Prerequisite: ADA101 or ADA201**

**Drama** **ADA4M1**  
**Grade 12** **University/College**

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

**Prerequisite: ADA3M1 or ADA301**

## Music

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

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

**Prerequisite: None**

*The course description above applies to the following with the addition of a greater concentration in the area noted.*

**Music - Guitar** **AMG201**  
**Grade 10** **Open**

This is a first year Guitar course.

**Music - Vocal/Choral** **AMV201**  
**Grade 10** **Open**

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

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 analysing 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: AMI101 or AMI201**

*The course description above applies to the following with the addition of a greater concentration in the area noted.*

**Music Repertoire - Stage Band\*** **AMR3M1**  
**Grade 11** **University/College**

**Prerequisite: AMI101 or AMI201**

*\* This course will run after school, all year on Tuesdays and Thursdays.*

**Music** **AMI301**  
**Grade 11** **Open**

This course develops students' artistic knowledge and skills through the performance of music and the preparation of music productions. Students will perform appropriate works, particularly works in contemporary popular styles. Independently and in groups, they will also plan, market, and produce music productions, making use of appropriate technology, and will evaluate the results.

**Prerequisite: AMI101 or AMI201**

*The course description above applies to the following with the addition of a greater concentration in the area noted.*

**Music - Guitar** **AMG301**  
**Grade 11** **Open**

**Prerequisite: AMG10K (Tiger Music) or AMG201 or AMG101**

**Music - Vocal** **AMV301**  
**Grade 11** **Open**

**Prerequisite: AMV201**

### Music Instrumental

Grade 12

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyze how to apply skills developed in music to their life and careers.

**Prerequisite:** AMI3M1 or AMI3O1

*The course description above applies to the following with the addition of a greater concentration in the area noted.*

### Music - Guitar

Grade 12

**Prerequisite:** AMG3O1

### Music - Repertoire - Stage Band \*

Grade 12

**Prerequisite:** AMR3M1 or AMI3M1

\* This course will run after school, all year on Tuesdays and Thursdays.

### Music - Vocal

Grade 12

**Prerequisite:** AMV3O1

### Music - Guitar

Grade 12

This course provides students with the fundamental knowledge and skills needed to succeed in the music workplace. Students will, at a level consistent with previous experience, perform appropriate musical works. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, and market music presentations that reflect a broad spectrum of workplace contexts. In addition, students will explore ethical and safe practices related to music.

**Prerequisite:** AMG3O1

## Musical Theatre

### Drama / Dance Music Theatre

Grade 11

This course is for the drama, dance or vocal student that is interested in musical theatre. This course examines 20th and 21st century musical theatre works in video, audio recordings, texts, scores, and live performance to discover the variety, depth, and appeal of the genre. Students will apply their skills in drama, dance, and vocals to explore and present a variety of songs and scenes from recognized musicals. They will have the opportunity to analyze the components of music theatre both on stage and behind the scenes, as well as experiment with creating and performing their own musical genres.

**Prerequisite:** ATC1O1 or 2O1 or ADA1O1 or 2O1

## 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.

**Prerequisite:** None

### 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. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g. photography, video, computer graphics, information design).

**Prerequisite:** AVI1O1 or AVI2O1

AMI4M1

University/College

AMG4M1

University/College

AMR4M1

University/College

AMV4M1

University/College

AMU4E1

Workplace

11ADAT

University/College

AVI2O1

Open

AVI3M1

University/College

### Visual Arts - Crafts

Grade 11

This course provides students with opportunities to further develop their skills and knowledge in crafts. A wider range of materials and techniques of traditional (ceramics, jewelry-making) and modern (silkscreen printing, silk painting) arts and crafts will be explored. Students will examine historical and cultural contexts of Western art (including Canadian art) and various world cultures to support their study of specific crafts.

**Prerequisite:** AVI1O1 or AVI2O1 or AWA2O1

### 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.

**Prerequisite:** AVI1O1 or AVI2O1

### 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.

**Prerequisite:** AVI3M1 or AVI3O1

### Visual Arts - Crafts

Grade 12

This course focuses on the refinement of the students' skills and knowledge in arts and crafts. Students will produce a variety of crafts demonstrating a personal approach to subject matter and expressive content through design, creative process and product. Students will expand their understanding of arts and crafts through critical analysis and appreciation of Western and Non-Western arts forms.

**Prerequisite:** AWA3M1 or AVI3M1 or AVI3O1

### 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 a variety of media. Students may focus on various aspects of visual arts, including advertising, ceramics, fashion design, graphic arts, jewelry design, and/or web design.

**Prerequisite:** AVI3O1

## Business Studies

### Business

#### Introduction to Business

Grade 10

This introductory business course allows students to utilize real life game simulations to help them develop an understanding of the functions of business, including: accounting, marketing, business technology, entrepreneurship, human resources, and production. Types of game simulations used include: Monopoly, running a virtual business, stock market contests, and running a real-life business at school. This course builds a foundation for further studies into our booming Specialist High Skills Major Business program at Westgate and helps students develop the business knowledge they will need in their everyday lives.

**Prerequisite:** None

### Accounting

#### Financial Accounting Fundamentals

Grade 11

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, computer-

AWA3M1

University/College

AVI3O1

Open

AVI4M1

University/College

AWA4M1

University/College

AVI4E1

Workplace

BBI2O0

Open

BAF3M1

University/College

ized accounting, financial analysis, and current issues and ethics in accounting.

**Prerequisite: None**

### **Financial Accounting Principles**

**Grade 12**

This course introduces students to advanced accounting principles that will prepare them for postsecondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course expands students' knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations.

**Prerequisite: BAF3M1**

**BAT4M1**

**University/College**

## **International Business**

### **International Business Fundamentals**

**Grade 12**

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

**Prerequisite: None**

**BBB4M1**

**University/College**

## **Marketing**

### **Marketing: Goods, Services, Events**

**Grade 11**

This course introduces the fundamental concepts of 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**

**BM13C1**

**College**

### **Marketing: Retail and Service**

**Grade 11**

This course focuses on marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing-related positions in the workplace.

**Prerequisite: None**

**BMX3E1**

**Workplace**

### **Sports and Entertainment Marketing**

**Grade 12**

This university course is designed for students interested in sports, entertainment, and event marketing. Emphasis is placed on the following principals as they apply to the industry: fantasy sports, event marketing, sponsorship, promotions, implementation of sports / entertainment marketing plans, branding, licensing, and naming rights, endorsements, business foundations and event management techniques. This interdisciplinary course also emphasizes the development of practical skills and knowledge in order to solve problems, make decisions, create personal meaning, and present findings related to the growth of the sports and entertainment industry. Students will research, analyze, and investigate how music, dance, sports, arts and/or fashion can facilitate changes in community, societal, and cultural values.

**Prerequisite: Any university or university/college preparation course.**

**IDC4U1**

**University**

## **Business Leadership**

### **Business Leadership Management**

**Grade 12 - eLearning**

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

**Prerequisite: None**

**BOH4ME**

**University/College**

## **Yearbook**

### **Designing the 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 a 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 other print and electronic materials. Classroom activities will be closely related to the real world of interviewing, photographing, meeting deadlines, and producing both paper and online publications.

**This course will run on Monday and Wednesday from 3:30 to 5:00 pm all year.**

**Prerequisite: None**

**IDC301**

**Open**

## **Canadian and World Studies**

### **Civics (Politics)**

#### **Civics & Citizenship (0.5 Credit)**

**Grade 10**

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

**Prerequisite: None**

**CHV205**

**Open**

#### **Civics & Citizenship (0.5 Credit) - eLearning**

**Grade 10**

**Prerequisite: None**

**CHV20E**

**Open**

## **Geography**

### **Travel and Tourism: A Geographic Perspective**

**Grade 11**

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: CGC1P1 or 1D1**

**CGG301**

**Open**

### **World Issues: A Geographic Analysis**

**Grade 12**

This course looks at the global challenge of creating a more sustainable and equitable world. Students will explore a range of issues involving environmental, economic, social, and geopolitical interrelationships, and will examine governmental policies related to these issues. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate these complex issues, including their impact 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**

**CGW4U1**

**University**

### **The Environment and Resource Management - eLearning**

**Grade 12**

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

**CGR4ME**

**College**

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

## History

### First Nations, Métis, and Inuit Peoples in Canada Grade 10

**NAC201\***  
**Open**

This course explores First Nations, Métis, and Inuit peoples' relationships with Canada from pre-contact to the 21st century. Students will examine social, economic, political and military interactions that impact the contemporary realities of Aboriginal people in Canada in relation to identity, culture, community, land, and governance. Students will explore their own and others' ideas using the historical inquiry process to think critically and respond responsibly about civic questions raised today as a result of the changing relationships.

**Prerequisite:** None

\* Credit may be used to meet the Grade 10 compulsory History credit requirement. See Student Services.

### Canadian History Since World War I Grade 10

**CHC2D1**  
**Academic**

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

**Prerequisite:** None

### Canadian History Since World War I Grade 10

**CHC2P1**  
**Applied**

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

**Prerequisite:** None

### Canadian History Since World War I Grade 10

**CHC2L1**  
**LDCC**

This course focuses on the connections between the student and key people, events and themes in Canadian contemporary studies. Students prepare for the grade 11 Canadian and World Studies Workplace Preparation course through the development and extension of historical literacy skills and critical thinking skills. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships and changes since 1914 are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practice reading, writing, visual, and oral literacy skills to identify and communicate ideas in a variety of media.

**Prerequisite:** None

### World History to the End of the Fifteenth Century Grade 11

**CHW3M1**  
**University/College**

This course explores the history of various societies around the world, from earliest times to around 1500 CE. Students will examine life in and the legacy of various ancient and pre-modern societies throughout the world, including those in, Africa, Asia, Europe, and the Americas. 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:** CHC2P1 or 2D1 or NAC201

### World History since the Fifteenth Century Grade 12

**CHY4U1**  
**University**

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

key issues and 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

**World History since the Fifteenth Century**

**CHY4C1**

**Grade 12**

**College**

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. 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 key turning points in world history and historical forces that have shaped our world.

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

## Law

### Understanding Canadian Law

**Grade 11**

**CLU3M1**  
**University/College**

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

**Prerequisite:** CHC2P1 or 2D1 or NAC201

### Understanding Canadian Law

**Grade 11**

**CLU3E1**  
**Workplace**

This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyber bullying, and the processing of criminal offences. Students will apply the concepts of legal thinking and the legal inquiry process, and will begin to develop legal reasoning skills and an understanding of Canadian law.

**Prerequisite:** CHC2L1 or 2P1 or NAC201

### Canadian and International Law

**Grade 12**

**CLN4U1**  
**University**

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop their understanding of the principles of Canadian and international law when exploring rights and freedoms within the context of topics such as religion, security, cyberspace, immigration, crimes against humanity, and environmental protection. Students will apply the concepts of legal thinking and the legal inquiry process when investigating these issues in both Canadian and international contexts, and they will develop legal reasoning skills and an understanding of conflict resolution in the area of international law.

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

### Legal Studies

**Grade 12**

**CLN4C1**  
**College**

This course provides a foundation for students who wish to pursue a career that requires an understanding of law. Students will explore the importance of law, analyzing contemporary legal issues and their impact. They will investigate requirements for various law-related careers as well as legal responsibilities in the workplace. Students will apply the concepts of legal thinking and the legal inquiry process to investigate the role of law in a changing society and will develop conflict-resolution skills needed for negotiation.

**Prerequisite:** CHV205

## Computer Studies

### Introduction to Computer Studies

**Grade 10**

**ICS201**  
**Open**

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

and ethical issues related to the use of computers.

**Prerequisite: None**

**Introduction to Computer Science  
Grade 11**

**ICS3U1  
University**

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.

**Prerequisite: None**

**Introduction to Computer Science  
Grade 11**

**ICS3C1  
College**

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

**Prerequisite: None**

**Computer Science  
Grade 12**

**ICS4U1  
University**

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

**Prerequisite: ICS3U1**

**Computer Programming  
Grade 12**

**ICS4C1  
College**

This course further develops students' computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing and expand their understanding of environmental issues, emerging technologies, and computer-related careers.

**Prerequisite: ICS3C1**

## English Compulsory Courses

**English  
Grade 10**

**ENG2D1  
Academic**

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze 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: ENG1P1 or 1D1 or 1DA**

**English - Pre-Advanced Placement  
Grade 10**

**ENG2DA  
Academic**

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze 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: ENG1P1 or 1D1 or 1DA**

**English  
Grade 10**

**ENG2P1  
Applied**

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. 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: ENG1P1 or 1D1**

**English  
Grade 10**

**ENG2L1  
LDCC**

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English Grade 11 Workplace course, or in the English: Contemporary Aboriginal Voices, Grade 11 Workplace course (if offered.) 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: A Grade 9 English credit**

**English: First Nations, Métis, and Inuit Voices  
Grade 11**

**NBE3U1  
University**

This course explores 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 analyze 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 or 2DA**

**Ontario Secondary School Literacy Course  
Grade 12**

**OLC4O1  
Open**

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

**Eligibility Requirement: Students who have been eligible to write the OSSLT at least twice 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.)**

**English - Pre-Advanced Placement  
Grade 11**

**ENG3UA  
University**

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will analyze 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: ENG2D1 or 2DA**

**English  
Grade 11**

**ENG3C1  
College**

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written and media texts in a

variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course.

**Prerequisite:** ENG2P1

**English: Understanding First Nation, Métis and Inuit Voices**

**Grade 11**

This course explores themes, forms, and styles 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 or 2D1

**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:** ENG2P or 2L1

**English: Understanding First Nation, Métis and Inuit Voices**

**Grade 11**

This course explores themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media texts emerging from First Nations, Métis, and Inuit cultures in Canada, as well as some texts that relate to those cultures. In order to better understand contemporary texts, students will explore connections between traditional and contemporary text forms and cultural and community aspects of identity, relationships, and self-determination, sovereignty or self-governance. Students will also create oral, written, and media texts focusing on the development of literacy, communication, and critical thinking skills necessary for success in the workplace and daily life. The course is intended to prepare students for the compulsory Grade 12 English workplace preparation course.

**Prerequisite:** ENG2P or 2D or 2L

**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 analyze 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:** ENG3U1 or 3UA or NBE3U1

**English - Advanced Placement**

**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 analyze 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:** ENG3U1 or 3UA or NBE3U1

**English**

**Grade 12 - eLearning**

**Prerequisite:** ENG3U1 or 3UA or NBE3U1

**NBE3C1**

**College**

**ENG3E1**

**Workplace**

**NBE3E1**

**Workplace**

**ENG4U1**

**University**

**ENG4UA**

**University**

**ENG4UE**

**University**

**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 analyze a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace.

**Prerequisite:** ENG3C1 or 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 analyze 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 or NBE3E1

## Optional Courses

**The Writer's Craft**

**Grade 12 - eLearning**

This course emphasizes knowledge and skills related to the craft of writing. Students will analyze 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 or 3UA or NBE3U1

**ENG4C1**

**College**

**ENG4E1**

**Workplace**

**EWC4UE**

**University**

## First Nations, Métis, and Inuit Languages

**FNMI Languages: Ojibwe**

**Level 1**

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.

**LNOAO1**

**Open**

**FNMI Languages: Ojibwe**

**Level 2**

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 NI1, or demonstrates the required proficiency.

**LNOBO1**

**Open**

**FNMI Languages: Ojibwe**

**Level 3**

This course will provide students an opportunity to expand their knowledge of a Native language and of Native philosophy, spirituality, and values, and to enhance their identity and self-worth. Students will communicate by using a variety of phrases and expressions, create short conversations, skits, stories, and narratives, use information technology, and develop an awareness of the structural and functional workings of a Native language. This course is open to students who have successfully completed NL2 or who can demonstrate the required proficiency.

**LNOCO1**

**Open**

## First Nations, Métis, and Inuit Studies

**First Nations, Métis, and Inuit Peoples in Canada**

**Grade 10**

This course explores First Nations, Métis, and Inuit peoples' relationships with Canada from pre-contact to the 21st century. Students will examine social, economic, political and

**NAC2O1**

**Open**

military interactions that impact the contemporary realities of Aboriginal people in Canada in relation to identity, culture, community, land, and governance. Students will explore their own and others' ideas using the historical inquiry process to think critically and respond responsibly about civic questions raised today as a result of the changing relationships.

**Prerequisite: None**

**English: Understanding First Nation, Métis and Inuit Voices** **NBE3C1**  
**Grade 11** **College**

This course explores themes, forms, and styles 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 or 2D1**

**English: Understanding First Nation, Métis and Inuit Voices** **NBE3E1**  
**Grade 11** **Workplace**

This course explores themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media texts emerging from First Nations, Métis, and Inuit cultures in Canada, as well as some texts that relate to those cultures. In order to better understand contemporary texts, students will explore connections between traditional and contemporary text forms and cultural and community aspects of identity, relationships, and self-determination, sovereignty or self-governance. Students will also create oral, written, and media texts focusing on the development of literacy, communication, and critical thinking skills necessary for success in the workplace and daily life. The course is intended to prepare students for the compulsory Grade 12 English workplace preparation course.

**Prerequisite: ENG2P or 2D or 2L**

**Beliefs, Values and Aspirations of Aboriginal Peoples** **NBV3C1**  
**in Contemporary Society** **College**  
**Grade 11**

This course focuses on the diverse beliefs, values, and aspirations between First Nations, Métis, and Inuit peoples of Canada and the political, economic, cultural and social challenges facing Aboriginal individuals and communities from various regions and cultures. By examining their own beliefs, values and assumptions, the worldviews of others and factors that influence world views, students will appreciate how traditional and contemporary beliefs and values influence present and future aspirations of Aboriginal peoples.

**Prerequisite: NAC2O1 or CHC2P1 or 2D1**

**Issues of Indigenous Peoples in a Global Context** **NDW4M1**  
**Grade 12** **University/College**

This course provides students with an overview of the issues and challenges that confront indigenous peoples worldwide. Students will develop an understanding of the concerns and aspirations of the world's indigenous population, plan and conduct research on global issues that have an impact on indigenous peoples, and use information technology to consult materials related to the views of indigenous peoples throughout the world.

**Prerequisite: Any Grade 11 university, university/college, or college preparation course in FNMI studies.**

## First Nations, Métis, and Inuit Business

The Aboriginal Youth Entrepreneurship Program (AYEP) is funded, and dependent on funding to run, by the Paul Martin Family Foundation and as specified, is only open to First Nations, Métis, and Inuit students.

The two-credit program focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students create business plans for their own ventures. Through hands-on experiences, they will have opportunities to develop the values, characteristics, and skills often associated with successful entrepreneurs. The goal of AYEPP is to help Aboriginal youth develop the attitudes and skills necessary to achieve success in secondary school, in the workplace, during post-secondary education or training, and in daily life. The program invites students to develop entrepreneurial opportunities that can lead to business ownership. They gain an introduction to business that will help them prepare for the working world regardless of their choice of career. The program is also designed to im-

prove proficiency in business mathematics, English, accounting, marketing, and information and communications technology, while supporting the acquisition of leadership skills.

**Introduction to Entrepreneurship** **BDI3CZ**  
**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 goals. Students will create a venture plan for a student-run business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

**Prerequisite: None**

**E-Commerce** **BDV4CZ**  
**Grade 12** **College**

This course provides students with the opportunity to develop and apply entrepreneurial skills through the creation of a venture plan that capitalizes on the potential of e-commerce. Students will research and identify an opportunity for a venture. They will then complete the components of a venture plan that includes a website.

**Prerequisite: None**

## French as a Second Language

### Core French

**Core French** **FSF2D1**  
**Grade 10** **Academic**

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

**Prerequisite: FSF1P1 or 1D1**

**Core French** **FSF3U1**  
**Grade 11** **University**

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

**Prerequisite: FSF2D1**

**Core French** **FSF4U1**  
**Grade 12** **University**

This course provides extensive opportunities for students to speak and interact in French independently. Students will apply language-learning strategies in a wide variety of real-life situations, and will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

**Prerequisite: FSF3U1**

## Guidance and Career Education

**Career Studies (0.5 Credit)** **GLC2O5**  
**Grade 10** **Open**

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

**Prerequisite: None**

**Career Studies (0.5 Credit)** **GLC2OE**  
**Grade 10 - eLearning** **Open**

**Prerequisite: None**

**Creating Opportunities through Cooperative Education (2 Credits) DC0302**  
**Grade 11 Open**

This course consists of a learning experience connected to a community and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply 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 (2 Credits) COP4X2\***  
**Grade 11/12 Open**

This course is a partnership between the school and the community. The intent of a Cooperative Education placement is to provide students with effective skills, attitudes and work habits necessary to enter the work force and/or further academic pursuits. Senior students may earn credits while working in a job that is directly related to a senior course that the student is taking (or has taken recently.) Students are not paid while at a Co-op placement. Students attend their cooperative education placement in the morning or in the afternoon for one semester to earn 2 credits. Students are monitored by the Co-op teacher.

\*SHSM Students choose this section

## Health and Physical Education

**Healthy Active Living Education - Female PPL20X**  
**Healthy Active Living Education - Male PPL20Y**  
**Grade 10 Open**

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

**Prerequisite: None**

**Health for Life - eLearning PPZ3CE**  
**Grade 11 Open**

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

**Prerequisite: None**

**Healthy Active Living Education - Female PPL30X**  
**Healthy Active Living Education - Male PPL30Y**  
**Grade 11 Open**

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

**Prerequisite: None**

**Personal Lifetime Fitness PAF301**  
**Grade 11 Open**

This course focuses on the development of a healthy active lifestyle through the introduction of lifelong fitness activities in our state-of-the-art fitness facility. Through the

development of skills and practice in weight training, aerobics, and a variety of athletic training methods, students will explore personal fitness goal-setting and lifelong physical well-being.

**Prerequisite: None**

**Healthy Active Living Education PPL401**  
**Grade 12 Open**

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

**Prerequisite: None**

**Personal Lifetime Fitness PAF401**  
**Grade 12 Open**

This course builds on the skills, training, and fitness of PAF301 in our state-of-the-art fitness facility. Through the development of skills and practice in weight training, aerobics, and a variety of athletic training methods, students will explore personal fitness goal-setting and lifelong physical well-being.

**Prerequisite: None**

**Introductory Kinesiology PSK4U1**  
**Grade 12 University**

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

**Prerequisite: Any Grade 11 University or University/College preparation course in science, or any Grade 11 or 12 course in Health and Physical Education.**

## Mathematics

**Principles of Mathematics MPM2D1**  
**Grade 10 Academic**

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: MPM1D1 or 1DA**

**Principles of Mathematics - Pre-Advanced Placement MPM2DA**  
**Grade 10 Academic**

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: MPM1D1 or 1DA**

**Foundations of Mathematics MFM2P1**  
**Grade 10 Applied**

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 communi-



cate their thinking.

**Prerequisite: MFM1P1 or MPM1D1**

### Mathematics

#### Grade 10

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

**Prerequisite: A Grade 9 Mathematics credit**

### 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 or 2DA**

### Functions - Pre-Advanced Placement

#### 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 or 2DA**

### 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: MFM2P1 or MPM2D1 or 2DA**

### 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 or MPM2D1**

### 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: MFM2P1 or MPM2D1 or ministry-approved locally developed Grade 10 mathematics course**

### 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 or MCT4C1 or MCR3UA**

### 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 can be taken concurrently with (see \* below) or can precede MCV4U1**

### Concurrent 2 Credit offering for AP Mathematics Students Advanced Functions / Calculus and Vectors

Full Year  
12MFCV

Please take a moment to read the course descriptions for the full curriculum overview and expectations. This 2 credit, consecutive offering of the senior math courses will allow students to begin the AP Calculus and Vectors immediately upon completion of the Advanced Functions. The course extends students' experience with Functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will refine their use of the mathematical processes necessary for success in senior Mathematics. This course is intended both for students taking the Calculus and Vectors courses as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

This 2 credit, consecutive offering builds on students' previous experience with functions and their developing understanding of rates of change. Students will broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions, apply these concepts and skills to the modelling of real-world relationships; and extend their knowledge of calculus to the field of integration and related theorems. Students will refine their use of the mathematical processes necessary for success in senior Mathematics. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three-dimensional space. This combined 2 credit course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.

**Prerequisites: MCR3U1/A**

### 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**

### Foundations for College Mathematics

#### Grade 12

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze 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

### Mathematics for College Technology

#### Grade 12

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs.

**Prerequisite:** MCF3M1 or MCR3U1

### MCT4C1

#### College

### Biology - Pre-Advanced Placement

#### 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 or 2DA

### SBI3UA

#### University

### Mathematics for Work and Everyday Life

#### Grade 12

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

**Prerequisite:** MEL3E1

### MEL4E1

#### Workplace

### 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:** SNC2P1 or 2D1

### SBI3C1

#### College

## Science

### General 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:** SNC1P1 or 1D1 or 1DA

### SNC2D1

#### Academic

### Biology

#### Grade 12

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

**Prerequisite:** SBI3U1 or 3UA

### SBI4U1

#### University

### Biology - Advanced Placement

#### Grade 12

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

**Prerequisite:** SBI3U1 or 3UA

### SBI4UA

#### University

### Science - Pre-Advanced Placement

#### 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:** SNC1P1 or 1D1 or 1DA

### SNC2DA

#### Academic

#### 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 investigation. 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:** SNC1P1 or 1D1

### SNC2P1

#### Applied

## 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 or 2DA

### SCH3U1

#### University

### Chemistry

#### Grade 12

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 or 3UA

### SCH4U1

#### University

## 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 or 2DA

### SBI3U1

#### University

### Chemistry

#### Grade 12

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:** SNC2P1 or 2D1

### SCH4C1

#### College

# Physics

## Physics Grade 11

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 analyze the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

**Prerequisite:** SNC2D1 or 2DA

## SPH3U1 University

## Physics Grade 12

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 analyze 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 or 3UA

## SPH4U1 University

## Physics Grade 12

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; 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 2D1 or 2DA

## SPH4C1 College

# Environmental Science

## Environmental Science Grade 11

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

## SVN3M1 University/College

## Environmental Science Grade 11

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:** SNC1P1 or 1D1 or a Grade 9 or 10 locally developed compulsory course (LDCC) in science.

## SVN3E1 Workplace

# Social Sciences and Humanities

## Family Studies

## Food and Nutrition Grade 10

This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends,

## HFN2O1 Open

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

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will explore the origins of and developments in diverse food traditions. They will demonstrate the ability to cook with ingredients and equipment from a variety of cultures, compare food-related etiquette in many countries and cultures, and explain how Canadian food choices and traditions have been influenced by other cultures. Students will develop practical skills and apply social science research methods while investigating foods and food practices from around the world.

**Prerequisite:** None

## HFC3M1 University/College

## Food and Culture Grade 11

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

## HFC3E1 Workplace

## Understanding Fashion Grade 11

This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. They will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.

**Prerequisite:** None

## HNC3C1 College

## Raising Healthy Children Grade 11

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

## Nutrition and Health Grade 12

This course examines the relationships between food, energy balance, and nutritional status; the nutritional needs of individuals at different stages of life; and the role of nutrition in health and disease. Students will evaluate nutrition-related trends and will determine how food choices can promote food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and develop their social science research skills by investigating issues related to nutrition and health.

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

## HPC3O1 Open

## HFA4U1 University

## Human Development Throughout the Lifespan Grade 12

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**

**Construction Technology  
Grade 11**

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.

**Prerequisite:** None

**TCJ3E1  
Workplace**

## Social Sciences

**Introduction to Anthropology, Psychology, and Sociology  
Grade 11**

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 or CHC2D1

**HSP3U1  
University**

**Custom Woodworking  
Grade 11**

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and explore apprenticeships, post secondary training, and career opportunities in the field that may be pursued directly after graduation.

**Prerequisite:** None

**TWJ3E1  
Workplace**

**Challenge and Change in Society  
Grade 12**

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 analyze how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyze 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.

**HSB4U1  
University**

**Construction Engineering Technology  
Grade 12**

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and explore career opportunities in the field.

**Prerequisite:** TCJ3C1

**TCJ4C1  
College**

**Challenge and Change in Society  
Grade 12 - eLearning**

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

**HSB4UE**

**Construction Technology  
Grade 12**

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

**TCJ4E1  
Workplace**

## Technological Education

### Construction Technology

**Construction Technology  
Grade 10**

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

**TCJ201  
Open**

### Green Industries

**Green Industries  
Grade 10**

This course introduces students to the various sectors of the green industries – agriculture, forestry, horticulture, floristry, and landscaping. Using materials, processes, and techniques commonly employed in these industries, students will participate in a number of hands-on projects that may include plant or animal propagation; production, maintenance, and harvesting activities; the development of floral or landscaping designs; and/or related construction activities. Students will also develop an awareness of environmental and societal issues related to green industry activities, learn about safe and healthy working practices, and explore secondary and postsecondary education and training pathways and career opportunities in the various industry sectors.

**Prerequisite:** None

**THJ20  
Open**

**Construction Engineering Technology  
Grade 11**

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

**Prerequisite:** None

**TCJ3C1  
College**

**Manufacturing Technology  
Grade 10**

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. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design

**TMJ201  
Open**

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**

**SHSM Manufacturing Technology (2 Credits)**

**Grade 11**

This course enables students to develop knowledge and skills through hands-on, project-based learning. Students will acquire design, fabrication, and problem solving skills while using tools and equipment such as lathes, mills, welders, computer-aided machines, robots, and control systems. Students may have opportunities to obtain industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

**Prerequisite: None**

**TMJ3C2**

**College**

**Manufacturing Technology**

**Grade 11**

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 engine lathes, milling machines, and 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**

**SHSM Manufacturing Technology (2 Credits)**

**Grade 11**

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 engine lathes, milling machines, and 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**

**TMW3E1**

**Workplace**

**TMJ3E2**

**Workplace**

**SHSM Manufacturing Technology (2 Credits)**

**Grade 12**

This course enables students to further develop knowledge and skills related to machining, welding, print reading, computer numerical control (CNC), robotics, and design. Students will develop proficiency in using mechanical, pneumatic, electronic, and computer control systems in a project-based learning environment and may have opportunities to obtain industry-standard training and certification. Students will expand their awareness of environmental and societal issues and career opportunities in the manufacturing industry.

**Prerequisite: TMJ3C2 or TMW3E1**

**TMJ4C2**

**College**

**SHSM Manufacturing Technology (2 Credits)**

**Grade 12**

This course enables students to further develop knowledge and skills related to machining, welding, print reading, computer numerical control (CNC), robotics, and design. Students will develop proficiency in using mechanical, pneumatic, electronic, and computer control systems in a project-based learning environment and may have opportunities to obtain industry-standard training and certification. Students will expand their awareness of environmental and societal issues and career opportunities in the manufacturing industry.

**Prerequisite: TMJ3C2 or TMW3E1**

**TMJ4E2**

**Workplace**

**Manufacturing Technology**

**Grade 12**

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 engine lathes, milling machines, 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: TMW3E1**

**TMW4E1**

**Workplace**

## Technological Design

**Technological Design**

**Grade 10**

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. Students 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 learn about secondary and post secondary education and training leading to careers in the field.

**Prerequisite: None**

**TDJ201**

**Open**

**Technological Design & the Environment**

**Grade 11**

This course enables students to apply a systematic process for researching, designing, building, and assessing solutions to address specific human and environmental challenges. Through their work on various projects, students will explore broad themes that may include aspects of industrial design, mechanical design, architectural design, control system design, and/or apparel design. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and post secondary pathways leading to careers in the field.

**Prerequisite: None**

**TDJ301**

**Open**

**Technological Design: Architectural Design**

**Grade 11**

This course provides students with opportunities to apply the principles of basic design to technological challenges in industry, engineering, architecture, manufacturing, and graphics. Students will develop problem-solving and design skills through the use of technical drawings and illustrations, model building, testing, and marketing. They will also become aware of consumer, business, and environmental issues in the creation and marketing of products or services, and the educational requirements of design-related careers.

**Prerequisite: None**

**TDA3M1**

**University/College**

**Technological Design: Architectural Design**

**Grade 12**

This course provides students with opportunities to solve problems in design through the use of technical drawings, model building, testing, and marketing. Students will research, design, and test solutions for residential or commercial architecture, industrial engineering, and manufacturing. They will also examine the educational requirements of a technical-design related career in engineering, architecture, or industrial design.

**Prerequisite: TDA3M1**

**TDA4M1**

**University/College**

## Transportation Technology

**Transportation Technology**

**Grade 10**

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**

**TJJ201**

**Open**

**Transportation Technology: Vehicle Ownership**

**Grade 11**

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 responsibility 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**

**TJJ301**

**Open**

**SHSM Transportation Technology: Auto Service (2 Credits)**

**Grade 11**

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

**Prerequisite: None**

**\* Transportation Services: Specialist High Skills Major Component**

**TTA3C2**

**College**



**SHSM Transportation Technology: Aviation (2 Credits)**

**Grade 11**

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

**Prerequisite: None**

**\* Transportation Services: Specialist High Skills Major Component**

**TTL3C2**

**College**



**SHSM Transportation Technology: Auto Service (2 Credits)**

**Grade 12**

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: TTA3C2/TTA3C2\***

**\* Transportation Services: Specialist High Skills Major Component**

**TTA4C2**

**College**

**SHSM Transportation Technology: Aviation (2 Credits)**

**Grade 12**

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: TTCLC2**

**\* Transportation Services: Specialist High Skills Major Component**

**TTL4C2**

**College**



**Transportation Technology: Vehicle Maintenance**

**Grade 12**

This course introduces students to the servicing, repair, and maintenance of vehicles through practical applications. The course is appropriate for all students as a general interest course to prepare them for future vehicle operation, care, and maintenance or for entry into an apprenticeship in the motive power trades. Students will develop an awareness of environmental and societal issues related to transportation and will learn about careers in the transportation industry and the skills and training required for them.

**Prerequisite: None**

**TJ4E1**

**Workplace**



# SENIOR SPECIALIST FOCUS LEARNING

## Cooperative Education (System)

### Dual Credits

College Link

Team Taught Dual Credits

College Now!

### eLearning

## Specialist High Skills Major Programs

### Cooperative Education

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

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

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

### Ontario Youth Apprenticeship Program (OYAP)

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

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

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



## Cooperative Education Programs

### Canadian Armed Forces

#### Army Reserve

COP4XA

#### Semester 2

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

To be eligible, students must meet the following conditions:

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

#### Naval Reserve

COP4XN

#### Semesters 1 & 2

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

To be eligible students must meet the following conditions:

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

#### Aviation Technology

TTL3C2 | TTL4C2

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

#### Grade 11 Semester 1 | Grade 12 Semester 2

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

## Dual Credits

### Secondary Credit + College Credit

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

### College Link

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

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

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

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

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

### Team Taught Dual Credits

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

### Aviation Link

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

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

*Superior | Hammar skjold | Westgate*

### Communication for Success Link

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

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

*Hammar skjold*

### Manufacturing Link

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

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

*Superior | Westgate*

### Transportation Link

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

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

*Westgate*

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



## College Now!

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

### Change Your Life Through Learning

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

Students must be:

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

### College Now Program - Semester 1

#### Building Skills for Success

##### GE113/JEB4T (College Code/High School Code)

This transformative course will provide you with the practical skills, knowledge and attitudes you need for success in college, your career and your life. In order to maximize your post-secondary experience, you will learn about your personal learning style, how to study effectively, how to take notes, how to manage your time, the importance of effective communication and much more. You will also discover specific abilities and characteristics that will provide you with the opportunity for personal growth and increased well-being. Learn how to maximize your potential with this course!

#### Photography and Image Editing I

##### IM116/AFI4T (College Code/High School Code)

You will learn how to express meaning using visual imagery, and how to develop your own personal photography style and techniques. You'll also practice Adobe Photoshop techniques.

#### Sociology of Community; The Indigenous Context

##### SY066/NBC4T (College Code/High School Code)

This course will provide students with an introduction to the history of colonization of Indigenous communities in Canada. Contemporary Indigenous community issues within Northwestern Ontario (NWO) and Canada will be examined. Students will explore the unique socio-political relationships between Canada and Indigenous peoples with an emphasis on colonial, legal and political issues. With a broader understanding of the context of colonization, students will analyze contemporary relationships and efforts towards renewed relationships and reconciliation.



## Foods of the Americas

### GE080/TKL4T (College Code/High School Code)

This course provides a basis for understanding the global impact that resulted from the introduction of indigenous foods from the Americas as well as the cultural impact that colonization had on the lifestyles of the American First Nations peoples.

## Introduction to the Trades

### TP155/TAP4T (College Code/High School Code)

Trades Studies I is designed to introduce the students to a variety of skilled trades. The students will have the opportunity to spend one third of the semester in each of the following trade areas; carpentry, welding and motive power. This course is recommended for students who are considering a trades, techniques or pre-apprenticeship as a future program. Through a combination of theory and practical experience, the student will gain the background necessary to proceed with further study in a more advanced program.

## College Now Program - Semester 2

## Building Skills for Success

### GE113/JEB4T (College Code/High School Code)

This transformative course will provide you with the practical skills, knowledge and attitudes you need for success in college, your career and your life. In order to maximize your post-secondary experience, you will learn about your personal learning style, how to study effectively, how to take notes, how to manage your time, the importance of effective communication and much more. You will also discover specific abilities and characteristics that will provide you with the opportunity for personal growth and increased well-being. Learn how to maximize your potential with this course!

## Baking and Pastry Arts

### CU130/TUE4T (College Code/High School Code)

This course will enable the student to demonstrate basic professional baking techniques and a working knowledge of baking fundamentals for a la carte and banquet settings. The course content will cover the mixing methods used to produce yeast breads, quick breads, pies, tarts, doughs, sponge based pastries, custard, creams, choux paste and laminate products.

## Introduction to Psychology

### PY199/HBB4T (College Code/High School Code)

This course introduces the student to the world of psychology by highlighting human behaviour and mental processes at the individual level. Students will learn why people do and think the way they do from a variety of perspectives and how psychological principles apply to everyday life situations. This introductory course provides a strong foundation for other courses in psychology.

## Wellness for Life

### AS220/PPI4T (College Code/High School Code)

The physical, emotional, social, intellectual, and spiritual dimensions of health are the focus of this course. Students will be provided with current factual information about a broad range of health-related issues including stress, substance abuse, sexuality, fitness, weight management, environmental concerns, and death and dying. As well, students will be actively involved in examining the impact of lifestyle choices upon their own health status.

## Introduction to the Trades

### TP155/TAP4T (College Code/High School Code)

Trades Studies I is designed to introduce the students to a variety of skilled trades. The students will have the opportunity to spend one third of the semester in each of the following trade areas; carpentry, welding and motive power. This course is recommended for students who are considering a trades, techniques or pre-apprenticeship as a future program. Through a combination of theory and practical experience, the student will gain the background necessary to proceed with further study in a more advanced program.

*Dual credits courses run from 12:30 p.m. - 3:20 p.m. except for Baking and Pastry Arts, which runs from 12:30 p.m. - 4:20 p.m.*

*Check with Student Services for dates and a current list of available courses.*

## eLearning

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

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

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

## eLearning Courses 2021-2022

### Health for Life - College

PPZ3CE

Host School: Westgate

### The Writer's Craft - University

EW44UE

Host School: Westgate

### Business Leadership Management - U/C

BOH4ME

Host School: Westgate

### Challenge and Change - University

HSB4UE

Host School: Westgate

### Civics & Citizenship - Open

CHV/GLC2OE

Host School: Hammarskjold

### English - University

ENG4U

Host School: Superior

### The Environment & Resource Management

CGR4M

Host School: Superior



[www.lakeheadschoools.ca](http://www.lakeheadschoools.ca)



## Specialist High Skills Majors

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

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

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

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

### Arts & Culture | Westgate

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

### Aviation & Aerospace | Westgate

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

### Business | Westgate

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

### Construction | Hammaraskjold

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

### Health & Wellness | Superior

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

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.



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Your place to learn, achieve & thrive



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