

# Grey Highlands Secondary School



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## 2023-2024 Course Calendar

**G.H.S.S. Course Calendar Section  
2023-2024  
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# GREY HIGHLANDS SECONDARY SCHOOL

## “Always Toward the Best”

### Introduction

Grey Highlands is located in the town of Flesherton, set amidst the rolling farmland and natural beauty of Grey County. Our motto - Always Toward the Best - is an attitude evident in both staff and students, and the respectful environment they create together. The school mascot is the Lion and our teams are known as the Grey Highlands' Lions. School spirit is strong, with a solid sense of community involvement.



GHSS serves the education needs of approximately 620 students, and is the second largest secondary school in the board. Our students are drawn from a large geographical area, and most arrive each day by bus. We are a comprehensive school, serving Grades 9 through 12, with programs in music, athletics, technology, social sciences, environmental studies, the arts, and academic subjects. Our school is semestered with four courses in each semester. Marks are recorded at the end of each term (final examinations are scheduled at the end of Term 2 for most courses) with a formal report card sent home at each of these times. Approximately six weeks into each semester, students are issued an informal progress report card, which is followed closely by parent-student-teacher interviews. This is a wonderful opportunity to meet your child's teachers and visit the school.

Semester One (Sept. – Jan.)		Semester Two (Feb. – June)	
Term 1	Term 2	Term 1	Term 2
4 Classes/Credits		4 Classes/Credits	

### School Goals and Philosophy

- Grey Highlands Secondary School is a learning organization committed to a standard of excellence in fostering the academic, physical, social and emotional development of all of our students.
- We demonstrate respect for ourselves and others and an appreciation of individual differences.
- We accept personal responsibility as contributing members of our local and global communities.
- We value people and promote trusting and cooperative relationships in a safe, supportive and productive environment.

#### Did you know?

GHSS's symbol is the Trillium. The three petals represent the three small high schools in Dundalk, Markdale, and Flesherton that were amalgamated in 1968.

[illegible]

## Community Involvement and Use of Schools

- B4

## Support Services

### Guidance Office Services

- Personal and career advice
- College and university applications
- School course selections
- Appointments can be made using the online booking service under the Guidance Tab on the GHSS website.
- Scholarships and Bursaries application assistance
- Referrals to outside agencies

### Academic Support

- Academic support and extra help may be arranged with:
  - Subject teachers
  - The HUB, our Student Education Resource Unit, **Helps U Be** your best!
  - Peer tutors

### The Learning Commons (Library) [www.ghsslibrary.ca](http://www.ghsslibrary.ca)

According to the United Nations Educational, Scientific, and Cultural Organization (UNESCO), the school library provides information and ideas, which are fundamental to functioning successfully in today's information and knowledge-based society. The GHSS library in support of this statement:

- supports and enhances educational goals for the learner;
- develops and sustains the habit and enjoyment of reading and learning;
- offers opportunities for using technology to research, learn and create;
- provides access to resources that encourage cultural and social awareness;
- is available to ensure all students have equitable access to information; and
- promotes digital literacy.

**ALL STUDENTS MUST SUBMIT A SIGNED PARENTAL PERMISSION FORM IN ORDER TO ACCESS THE INTERNET AT SCHOOL.**

### Computer Resources

- Personal account with security password
- Individual hard-drive space accessible from several locations
- GHSS website [www.ghss.bwdsb.on.ca](http://www.ghss.bwdsb.on.ca)
- GHSS has an established *Internet Code of Behaviour*

### Nutrition Program

- Healthy snacks available throughout the day at our Grab and Go stations.
- Supported by the Ontario Student Nutrition Program, President's Choice Children's Charity and local businesses.
- GHSS promotes the Healthy Food in School Policy.

### Grey Bruce Public Health Student Health Centre

- Provides support for sexual health, tobacco and vaping cessation, healthy lifestyles.
- Book appointments through [schools@publichealthgreybruce.on.ca](mailto:schools@publichealthgreybruce.on.ca)

There are a number of community agencies/partners that work to provide services, certificates, and opportunities for all GHSS students. Each of these community groups and agencies is working under its own particular mandate and legislation which is different from that of the Ministry of Education especially in relation to obtaining parental consent for referral. Examples of community partners that connect with GHSS students are listed in the following chart:

**Community Partners:**

Agency	Website (where offered)	Phone Numbers/ Email
Keystone Child, Youth and Family Services	<a href="http://www.keystonegreybruce.org">www.keystonegreybruce.org</a>	519-371-4773
Grey-Bruce Health Unit	<a href="http://www.publichealthgreybruce.on.ca">www.publichealthgreybruce.on.ca</a>	519-376-9420 1-800-263-3456
Mental Health and Addiction Services in Grey Bruce (Hanover)	www.cmhagb.org	519 -364-7788
Choices (Drug and Alcohol Counselling)	www.cmhagb.org	519-371-5487 or 1-800-265-3133
Family "Y" Community and Employment Services	<a href="http://www.ymcaowensound.on.ca">www.ymcaowensound.on.ca</a> (Markdale, Dundalk, Hanover, Durham, Meaford, Flesherton)	519-371-9222 519-364-3163
Ontario Works – Grey County Social Services	<a href="http://www.grey.ca">www.grey.ca</a>	519-376-7112 or 1-800-567-4739
West Grey and Hanover Police Services	<a href="http://www.westgreypolice.ca/">www.westgreypolice.ca/</a> <a href="http://www.hanover.ca/police-services">www.hanover.ca/police-services</a>	519-369-3046 519-364-2411
Mental Health Crisis line of Grey and Bruce		1-877-470-5200
Bruce/Grey Child and Family Services	<a href="http://www.bgcfcs.ca/">www.bgcfcs.ca/</a>	1-855-322-4453
Women's House Serving Bruce and Grey	<a href="http://www.whsbq.on.ca/">www.whsbq.on.ca/</a>	1-800-265-3026
Sexual Assault / Partner Abuse Care Centre		519-376-2121 ext. 2458
Wes for Youth (Counseling and Support Services)	<a href="http://www.wesforyouthonline.ca/">www.wesforyouthonline.ca/</a>	1-519-507-3737
We Care Grey Bruce	<a href="http://www.wecaregreybruce.ca">www.wecaregreybruce.ca</a>	

**Student**

**Roles and Responsibilities**

**The Three R's at GHSS**

1. **Respect yourself.** Believe that you are worthy of respect and worthy of doing well.
2. **Respect others.** All other persons in the GHSS community are also deserving of your respect. This includes your fellow students and any adults in the school. Treat all of these people the way you would like to be treated.
3. **Respect the school.** Grey Highlands is a great place because of the way in which everyone respects the school and all that it represents. Be part of that great tradition.



## **Code of Conduct**

Grey Highlands, like all Bluewater schools, has a Code of Conduct, which identifies expectations for student behaviour and consequences for not meeting the expectations. The goal of this code is to ensure that Grey Highlands is a safe, caring and purposeful learning environment for all of its students. The Code of Conduct outlines the expected behaviours of students; the processes for dealing with unacceptable behaviour; as well as the interventions, which may be implemented if there are infractions. A complete version may be found on the school website.

[https://ghss.bwdsb.on.ca/about\\_us/code\\_of\\_conduct](https://ghss.bwdsb.on.ca/about_us/code_of_conduct)

## **Textbooks**

In most courses, students are provided with textbooks to help them obtain additional information about the topics covered in class and complete homework or other assignments. Typically, these books, which have been numbered and remain the property of the school, are issued at the beginning of a course. At the end of the semester, students are expected to return their books in the condition in which they were received. Students who damage or fail to return the textbooks loaned to them will be asked to pay for replacements; the cost per book ranges from \$40 to \$120 in most cases. Because schools have had reduced operating budgets in the last few years, it is more important than ever that students take good care of their books and return them promptly when their courses end.

## **School Community Advisory Council**

This group, which consists of parents, staff, and student representatives, meets regularly throughout the school year to discuss issues that are important to the GHSS community. The purpose of the Council is to be an advisory body, helping the school with decision making. Through the coming years, especially as secondary school reform and Ministry of Education policies are implemented, the advice from Council members will be vital, as the changes are adapted to meet the needs of our school. Parents and community members are always welcome to attend the meetings.




## **BWDSB students use MyBlueprint for:**


- Course selection and monitoring their academic progress
- Career exploration and job readiness (resume and cover letter templates)


### **☐ CREATE YOUR FAMILY ACCOUNT**


1. Visit [www.myBlueprint.ca/](http://www.myBlueprint.ca/)
2. Click **Sign Up** in the top right corner
3. Enter your child's school **Activation Key** and click **Create Account**
4. Select **Family**, and your child's grade range (i.e., K-6 or 7-12)
5. Fill out the sign up form
6. Click **Create My Account**

Welcome  
Select your account type below

  
Student

 Teacher

 Counsellor/Admin

 Family

Select student's grade range

Grade K-6

Grade 7-12

Continue

### **☐ LINK WITH YOUR CHILD (Optional)**

You can link with your child to view their myBlueprint account by following these steps:

1. From the account sign up page, enter your child's **email address** associated to their myBlueprint account and click **Add Student**
2. Click **Continue**

### ***Don't know your child's email address?***

You can always link to them later by following these steps:

1. Log in to your account
2. Click **+Add Student**
3. Enter their email address and click **Add Student** (Note: Your student will need to approve this by logging into their account, clicking their name in the top right hand corner and selecting **My Links** and click **approve** on your link request)

### **☐ EXPLORE YOUR STUDENT DEMO ACCOUNT**

From your Dashboard, click **Go to Student View** to access a demo student account to explore the features of myBlueprint.



1. Click **Go to Student View** in the top right corner of your account
2. Complete the five (5) **Who Am I** surveys
3. Go to **Match Results** tab > Complete two (2) **Compatibility** Surveys
4. Go to **Home** > **Goals** > **Add a goal**
5. Go to **Post-Secondary** > Select a **Pathway** (e.g., College and University) > Favourite a **program**
6. Go to **Work** > **Occupations** > Favourite two (2) **occupations**
7. Go to **Work** > **Job Search** > Look up and favourite a **job posting** in your area
8. Go to **Home** > **Portfolios** > **Add a Portfolio** > Name your portfolio
9. Add an **Avatar** and a **Banner** image
  - a. **+ Add Box** > **Add Media** > Upload a picture/image that represents who you are
    - i. **+ Reflection** > Give an explanation of how the image represents who you are
  - b. **+ Add Box** > **Add from myBlueprint** > **Favourites** > An occupation that you favoured
  - c. **+ Add Box** > **Add from myBlueprint** > **Favourites** > A post-secondary program related to the occupation you favoured



## Specialist High Skills Major Programs (SHSM)

Students earning a Specialist High Skills Major - (SHSM) receive an OSSD with the Red SHSM Seal, as well as an SHSM Record that documents the student's achievement of each of the required components. The five required components are designed to give students a rich and varied range of learning experiences as a foundation for making a successful transition to their chosen post-secondary program or occupation. The SHSM program is offered in all four pathways; Apprenticeship, College, University, and Workplace.

Grey Highlands Secondary School is proud to offer seven SHSM programs:

**Arts and Culture**  
**Construction**  
**Environment**  
**Horticulture and Landscaping**  
**Manufacturing**  
**Transportation**  
**Agriculture (located at the Chesley campus, pending sufficient enrollment)**

### SHSM Program Components

1. **Bundled Credits:** 8-10 Grade 11 and Grade 12 credits that include:
  - 4 major credits that provide sector-specific knowledge and skills.
  - 2 or 3 other required credits in English, Math and Science or Business Studies, in which some expectations are met through learning activities related to the sector.
  - 2 Co-operative Education credits in a workplace setting enabling students to refine, extend, apply, and practice sector-specific skills (can include paid summer co-op placements).
2. **Certification and Training:** 7 sector-recognized certifications and/or training courses
  - 4 compulsory - such as First Aid, CPR, and WHMIS
  - 3 electives
3. **Experiential learning and career exploration activities:**
  - Industry tours, trade shows, job shadowing, volunteer experiences, workshops, or competitions.
4. **“Reach Ahead” Experiences:** connected with the student's post-secondary pathway, such as college or university tours, visiting apprenticeship sites, and interviews with employees or students.
5. **ICE (Innovation, Creativity and Entrepreneurship):** ICE training is a process and a set of tools that help students develop the mindsets to solve real world problems.

## Specialist High Skills Major Agriculture

Grey Roots Museum in Owen Sound will host our Agricultural Specialist High Skills Major (SHSM) program in the Moreston Village at Grey Roots for the 2023-2024 school year. This partnership with Grey County will allow use of the Moreston Village schoolhouse, barn, and other facilities at Grey Roots to host the program. This program will run pending sufficient student interest/enrollment.

### Sample Pathway Planner

Required Credits	Apprenticeship Training Destination		College Destination		University Destination		Entry Level Workplace Destination	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits (4 required)	SAP33I SHY33I	SAN43I SHX43I	SAP33I SHY33I	SAN43I SHX43I SCH4CI	SAP33I SHY33I	SAN43I SHX43I SBI4UI	SAP33I SHY33I	SAN43I SHX43I
1 English	NBE3C NBE3E	ENG4C ENG4E	NBE3C	ENG4C	NBE3U	ENG4U	NBE3E	ENG4E OLC4O
1 Math	MBF3C	MAP4C	MBF3C	MAP4C	MCR3U MCF3M	MDM4U	MEL3E	MEL4E
1 Science or Business	SBI3C BDI3C BMX3E BMI3C BAF3M SVN3E	BDV4C BOH4M BAT4M	SBI3C BDI3C BMI3C BAF3M		SBI3U BAF3M	BOH4M BAT4M	BMX3E SBI3C SVN3E	
Cooperative Education	2 Credits Grade 11 or 12		2 Credits Grade 11 or 12		2 Credits Grade 11 or 12		2 Credits Grade 11 or 12	
Total # of Credits Required	9		9		9		9	

## Specialist High Skills Major Arts and Culture

The Grey Highlands Secondary School Arts and Business Departments offer a relevant and unique combination of Media Design and Marketing. We provide students with a solid experience that meets their needs to succeed in any post-secondary pathway, and in today's dynamic business world. Media Design and Marketing are increasingly becoming an essential part of many industries, and our SHSM includes both the hardware and information technology skills as well as common communication, graphic arts expertise to be successful in the work world.

### Sample Pathway Planner

<b>SHSM- Arts and Culture</b>								
Required Credits	Apprenticeship Training Destination		College Destination		University Destination		Workplace Destination	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits (4 required)	AWE3M AWE3O AWR3M AWR3O AVI3M TGJ3O ADA3M	AWE4M AWE4O AWR4M AWR4O AVI4M TGJ4O ADA4M	AWE3M AWR3M AVI3M TGJ3O ADA3M	AWE4M AWR4M AVI4M TGJ4O ADA4M	AWE3M AWR3M AVI3M ADA3M	AWE4M AWR4M AVI4M ADA4M	AWE3O AWR3O TGJ3O	AWE4M AWR4M TGJ4O
1 English	NBE3C NBE3E	ENG4C ENG3E	NBE3C	ENG4C	NBE3U	ENG4U	NBE3E	ENG4E OLC4O
1 Math	MEL3E MBF3C	MEL4E MAP4C	MBF3C MCF3M	MAP4C MCT4C	MCR3U	MHF4U MCM4U MDM4U	MEL3E	MEL4E
1 History or Business	BMI3C BMX3E	CHY4C	BMI3C	CHY4C BOH4M BAT4M	BAF3M	CHY4U BOH4M BAT4M	BMX3E	
Cooperative Education	2 Credits Grade 11 or 12							
Total # of Credits Required	9		9		9		9	

## Specialist High Skills Major Environment

The Environment is an emerging sector, as climate change, clean air, and water become growing priorities for governments around the world. It offers career opportunities in conservation, research, recreation, innovation and more. Our newest SHSM is offered through the popular Environmental Studies Program (ESP) and will afford participants the opportunity to become the future champions for our planet.

### Sample Pathway Planner

<b>SHSM: Environment</b>								
Required Credits	Apprenticeship Training Destination		College Destination		University Destination		Workplace Destination	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits (4 required)	CGR4E IDP4O PAD4O NBV3E  BOH4M SVN3M/E CGT3O		CGR4M IDP4U PLF4M NDW4M  BOH4M SVN3M SBI3C CGT3O		CGR4M IDP4U PLF4M NDW4M  BOH4M SVN3M SBI3U SBI4U CGT3O		CGR4E IDP4O PAD4O NBV3E  SVN3E CGT3O	
1 English	NBE3C NBE3E	ENG4C ENG4E OLC4O	NBE3C	ENG4C	NBE3U	ENG4U	NBE3E	ENG4E OLC4O
1 Math	MBF3C MEL3E	MAP4C MCT4C	MCF3M MBF3C	MAP4C MCT4C	MCR3U MCF3M	MCV4U MDM4U MHF4U	MEL3E	MEL4E
Cooperative Education	2 Credits Grade 11 or 12							
Total # of Credits Required	8		8		8		8	

## Specialist High Skills Major Horticulture and Landscaping

Grey Highlands is proud of its Horticulture and Landscaping program. It started in 2009 and students who have completed this interactive program have proceeded to postsecondary education, apprenticeship programs, or employment in the industry. Students are able to take advantage of the school's 1800 square foot greenhouse and help to complete many projects around the campus such as maintaining the school's beautiful courtyard. Students also take part in a variety of volunteer opportunities in the surrounding area and participate in provincial competitions.

### Sample Pathway Planner

<b>SHSM- Landscaping and Horticulture</b>								
Required Credits	Apprenticeship Training Destination		College Destination		University Destination		Workplace Destination	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits (4 required)	THJ3E TDJ3O TCJ3C/E TMJ3C/E TTJ3O/C	THJ4E IDC4O TCJ4C/E TTJ4C/E TMJ4E TMJ4C TMY4C TDJ4O	THJ3M TDJ3M TCJ3C TMJ3C/M TTJ3C	THJ4M IDC4O TCJ4C TMJ4C TMJ4M TTJ4C	THJ3M TDJ3M TMJ3M	THJ4M IDC4U TMJ4M	THJ3E TDJ3O TCJ3E TTJ3O TMJ3E	THJ4E IDC4O TCJ4E TMJ4E TTJ4E
1 English	NBE3C NBE3E	ENG4C ENG3E	NBE3C	ENG4C	NBE3U	ENG4U	NBE3E	ENG4E OLC4O
1 Math	MEL3E MBF3C MCF3M	MEL4E MAP4C MCT4C	MBF3C MCF3M	MAP4C MCT4C MDM4U	MCR3U MCF3M	MHF4U MCV4U MDM4U	MEL3E	MEL4E
1 Science or Business	BMI3C BMX3E SBI3C SVN3E	SCH4C SPH4C	BMI3C BAF3M SBI3C SVN3M	SCH4C SPH4C BOH4M	BAF3M SBI3U SCH3U SPH3U SVN3M	SCH4U SPH4U BOH4M	BMX3E SVN3E	GLE4O GLS4O OLC4O
Cooperative Education	2 Credits Grade 11 or 12							
Total # of Credits Required	9		9		9		9	

## Specialist High Skills Major Construction

Grey County has seen an unprecedented increase in home construction in recent years, and home renovations continue to be on the to-do list for many homeowners. Earning a SHSM Diploma in Construction will give your child a chance at a career in this high-demand sector. Students in this SHSM may have the opportunity to join the Level One carpentry Program at Georgian College in their final semester of high school.

### Sample Pathway Planner

<b>SHSM- Construction</b>								
Required Credits	Apprenticeship Training Destination		College Destination		University Destination		Workplace Destination	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits (4 required)	TCJ3C/E TWJ3E TTJ3O TMJ3C/E TDJ3O	TCJ4C/E TWJ4E TTJ4C/E TMJ4E	TCJ3C TDJ3O TDA3M TTJ3C TMJ3C	TCJ4C TDA4M TTJ4C TMJ4C	TDA3M THJ3M TMJ3M	TDA4M THJ4M TMJ4M	TCJ3E TWJ3E TDJ3O TTJ3O TMJ3E	TCJ4E TWJ4E TTJ4E TMJ4E
1 English	NBE3C NBE3E ENG3E/C	ENG4C ENG3E OLC4O	NBE3C ENG3C	ENG4C	NBE3U ENG3U	ENG4U	NBE3E NBE3E	ENG4E OLC4O
1 Math	MBF3C MCF3M MEL3E	MEL4E MAP4C	MBF3C MCF3M	MAP4C MCT4C	MCR3U	MHF4U MDM4U	MEL3E	MEL4E
1 Science or Business	BMI3C BMX3E SVN3E	SPH4C BAT4M	BMI3C SVN3M	SPH4C BOH4M	BAF3M SPH3U SVN3M	SPH4U BOH4M BAT4M	BMX3E SVN3E	OLC4O GLE4O GLS4O
Cooperative Education	2 Credits Grade 11 or 12							
Total # of Credits Required	9		9		9		9	

**\*Students are required to take a minimum of three senior level Construction course.**



## Specialist High Skills Major Manufacturing

Manufacturing has always been strong in Grey-Bruce, offering many career opportunities for students to pursue both locally and regionally, with expected growth in the very near future. Students in this SHSM will explore manufacturing through welding operations, using plasma torches and welding equipment, lathes, mills, drill presses, and hand tools. Students will also learn how to design, interpret drawings, measure accurately, as well as other manufacturing skills.

### Sample Pathway Planner

<b>SHSM- Manufacturing</b>								
Required Credits	Apprenticeship Training Destination		College Destination		University Destination		Workplace Destination	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits (4 required)	TMJ3C/M TMY3C TMW3E TTJ3C/O TCJ3C/E TDA3M TDJ3O	TMJ4C/E TMY4C TMJ4M TMW4E TCJ4C/E TTJ4C/E TDJ4O	TMJ3C/M TMY3C TCJ3C TTJ3C TDA3M TDJ3M	TMJ4C TMY4C TCJ4C TTJ4C TDA4M TDJ4M	TMJ3M TDJ3M TDA3M	TMJ4M TDA4M	TMJ3E TMW3E TCJ3E TTJ3O TDJ3O	TMJ4E TMW4E TCJ4E TTJ4E TDJ4O
1 English	NBE3C NBE3E	ENG4C ENG3E	NBE3C	ENG4C	NBE3U	ENG4U	NBE3E	ENG4E OLC4O
1 Math	MBF3C MEL3E	MEL4E MAP4C MCT4C	MBF3C MCF3M	MAP4C MCT4C	MCR3U MCF3M	MHF4U MCV4U MDM4U	MEL3E	MEL4E
1 Science	SBI3C SVN3E	SCH4C SPH4C	SBI3C SVN3M	SCH4C SPH4C	SBI3U SCH3U SPH3U SVN3M	SCH4U SPH4U SBI4U	SVN3E	GLE4O GLS4O
Cooperative Education	2 Credits Grade 11 or 12							
Total # of Credits Required	9		9		9		9	

**\*Students are required to take a minimum of 3 Manufacturing senior level courses.**

## Specialist High Skills Major Transportation Technology

Grey Highlands began the SHSM in Transportation Technology in 2013. Students may already be familiar with this popular technology program which gives students a broad range of knowledge about vehicle maintenance, repair, and technology. If you have questions about this program, please do not hesitate to contact the Guidance department or the Auto Shop teacher at (519-924-2721 ext. 128).

### Sample Pathway Planner

<b>SHSM- Transportation</b>								
Required Credits	Apprenticeship Training Destination		College Destination		University Destination		Workplace Destination	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits (4 required)	TTA3C TTJ3O TMJ3C/E TCJ3C/E	TTA4C TTJ4E TTJ4C TMJ4C/E TCJ4C/E	TTA3C TTJ3C TMJ3C/M TCJ3C	TTA4C TTJ4C TMJ4C TCJ4C	TTA3C TTJ3C TMJ3M	TTA4C TTJ4C TMJ4M SPH4U	TTJ3O TMJ3E TCJ3E	TTJ4E TMJ4E TCJ4E
1 English	NBE3C NBE3E	ENG4C ENG3E	NBE3C	ENG4C	NBE3U	ENG4U	NBE3E	ENG4E OLC4O
1 Math	MBF3C MCF3M MEL3E	MEL4E MAP4C MCT4C	MBF3C MCF3M	MAP4C MCT4C	MCR3U MCF3M	MHF4U MCV4U MDM4U	MEL3E	MEL4E
1 Science or Business	BMI3C BMX3E SBI3C SVN3E	SCH4C SPH4C BAT4M	BMI3C SBI3C SVN3M	SCH4C SPH4C BOH4M	BAF3M SBI3U SCH3U SPH3U SVN3M	SCH4U SPH4U BOH4M BAT4M SBI4U	BMX3E SVN3E	OLC4O GLE4O GLS4O
Cooperative Education	2 Credits Grade 11 or 12							
Total # of Credits Required	9		9		9		9	

**\*Students are required to take a minimum of 3 Transportation senior level courses.**

GHSS COURSES OFFERED FOR 2023-2024					2024-2025
THE ARTS	Gr 9	Gr 10	Gr 11	Gr 12	
Drama	ADA1OI	ADA2OI	ADA3MI	ADA4MI	
Film Studies			AWR3MI / AWR3OI	AWR4MI	
Guitar		AMG1OI	AMG2OI	AME3OI	
Info/Con Design –Yearbook			AWE3MI	AWE4MI	
Instrumental Music	AMI1OI	AMI2OI	AMI3MI	AMI4MI	
Visual Arts	NAC1OI	AVI2OI / AWT2OI	AVI3MI	AVI4MI	
<b>BUSINESS</b>					
Accounting			BAF3MA*	BAT4MA*	
Business	BTT1OI		BMI3CI / BMX3EI	B0H4MA*	
<b>CANADIAN and WORLD STUDIES</b>					
Civics		CHV2OH			
Geography	CGC1DI		CGG3OI		
History		CHC2DI / CHC2PI CHC2LI	CHW3MI	CHY4UI / CHY4CI	
Law			CLU3MI	CLN4UI	
<b>CO-OPERATIVE EDUCATION</b>					
			ZCOP 1 ZCOP 2 ZCOP 4		
<b>ENGLISH</b>					
English	ENL1WI/ ENG1LI	ENG2DI / 2PI / 2LI	NBE3UI / NBE3CI NBE3EI	ENG4UI / ENG4CI ENG4EI / OLC4OI	
Writer's Craft				EW4CUA*	
<b>ENVIRONMENTAL SCIENCE: 4 CREDIT PACKAGE</b>					
CGR4MI or CGR4EI and IDP4UI or IDP4OI and NDW4MI or NBV3EI and PLF4MI or PAD4OI					
<b>FRENCH - CORE</b>					
	FSF1DI / FSF1OI	FSF2DI	FSF3UI	FSF4UI	
<b>FRENCH – IMMERSION and EXTENDED</b>					
	FIF1DI HFN2OL CHV2OL/GLC2OL	FIF2DI HFN2OL CHV2OL/GLC2OL	FIF3UI	FIF4UI	
<b>GUIDANCE and Careers</b>					
Careers		GLC2OH			
Learning Strategies	GLE1OI	GLE2OI	GLE3OI	GLE4OI	
<b>HEALTH and PHYSICAL EDUCATION</b>					
	PPL1OI	PPL2OI PAD2OI	PPL3OI / PAF3OI	PAF4OI / PPL4OI PSK4UI	
<b>MATHEMATICS</b>					
	MAT1LI MTH1WI	MPM2DI / MFM2PI MAT2LI	MCR3UI / MCF3MI MBF3CI / MEL3EI	MCV4UI / MHF4UI MDM4UI / MAP4CI MCT4CA*/ MEL4EI	
<b>SCIENCE</b>					
Science	SNC1WI SNC1L	SNC2DI SNC2PI	SBI3UI / SBI3CI SCH3UI / SPH3UI SVN3EI	SBI4UI SCH4UI / SCH4CI SPH4UI / SPH4CI	
<b>SOCIAL SCIENCES and HUMANITIES</b>					
	HIF1OI	HFN2OI	HHD3OI HPC3OI HSE3EI	HZT4UA* HHS4CI / HHS4UI HIP4OI HSE4MI	HSB4UI
<b>TECHNOLOGICAL STUDIES</b>					
Communication Tech.		TGJ2OI			
Construction		TCJ2OI	TCJ3CI / TCJ3EI	TCJ4CI / TCJ4EI	
Exploring Technology	TIJ1OI				
Hairstyling and Aesthetics		TXJ2OI	TXJ3EI	TXJ4EI	
Horticulture and Landscaping			TDJ3MI / TDJ3OI THJ3MI / THJ3EI	IDC4UI / IDC4OI THJ4MI / THJ4EI	
Healthcare			TPJ3MI	TPJ4EI	
Manufacturing		TMJ2OI	TMJ3MI / TMJ3CI / TMJ3EI	TMJ4MI / TMJ4CI / TMJ4EI	
Technological Design		TDJ2OI	TDA3MI	TDA4MI	
Transportation		TTJ2OI	TTJ3CI / TTJ3OI	TTJ4CI / TTJ4EI	

**\*Courses ending in A are only offered on-line.**

## Special Education Programming

The purpose of our Special Programming is to enhance student achievement and overall well-being by developing and offering creative, flexible curriculum. It is intended for students who are not achieving at the provincial standard. Pathways suggests courses of study from the beginning of high school to the end; therefore, students can see how they may successfully navigate their way through high school. Pathways is designed to provide students with an opportunity to focus on their interests and strengths while providing an education that is relevant to their needs as well as the needs of post-secondary institutions, employers and the community. As students pursue their courses and gain confidence in their abilities, they will see the positive result of their efforts and will strive to achieve further success in their educational endeavours.

**Parents and students should be aware that Bluewater District School Board and School Administration endeavour to offer the three Pathways - OSSD Locally Developed, OSSC and Certificate of Accomplishment - however, courses may be dropped if student numbers are too low. For more information, see the following pages.**

**Note:** Students wishing to select courses from the Pathways program must consult a member of the Guidance, Special Education, or Developmental Learning staff.

### Diploma Pathway Locally Developed Programming

- Courses support students who are working on expectations between Grades 5 and 8, and are working to earn either an Ontario Secondary School Diploma (OSSD) or Ontario Secondary School Certificate (OSSC).
- Support is provided to help students with organization, study skills, literacy and numeracy.
- Courses are sequenced to help the transition from locally developed courses to workplace or college destination courses as appropriate.
- There are fewer students in locally developed and modified courses.
- The General Learning Strategies (GLE) course is used to support core academic courses, provides organizational, numeracy and literacy skills and can be taken each school year.
- The Ministry of Education allows up to three credit substitutions.
- The Ministry of Education allows six (6) locally developed courses as compulsories.
- Please see the section on the Ontario Secondary School Literacy Requirement and available accommodations on page A6.
- Each student must also complete a minimum of 40 hours of community involvement activities in order to be eligible for graduation.

## Suggested Course Options – For Diploma Pathway

YEAR 1	YEAR 2	YEAR 3	YEAR 4
ENG1LI* English	ENG2LI* Literacy Skills	NBE3EI* English	ENG4EI* English
MAT1LI* Mathematics	MAT2LI* Mathematics	MEL3EI* Mathematics	OLC4OI (if needed) or Optional Credit
SNC1LI* Science	GLE2OI Skills For Success	SVN3EI* Science	Optional credit/Spare
PPL1OF/M Physical Education	CHV2OG / GLC2OG* Civics and Career Studies	Five Optional Credits Recommendations include:  Co-op,  Technology,  Horticulture,  Hospitality  Hairstyling and Aesthetics  Family Studies  Physical Education	Optional credit/Spare
GLE1OI Skills For Success	CHC2LI* Canadian History		Four Optional Credits:  Co-op  OR  Subjects of interest to the student
One or more credits in the Arts: NAC1OI (Visual Art) ADA1OI (Drama) AMI1OI (Music- Instrumental)	A Group One, Two or Three Compulsory, Additional Credit		
Optional Credit	Optional Credit		
Optional Credit	Optional Credit		

See course descriptions for further details.

\* indicates recommended compulsories.

## Ontario Secondary School Certificate Pathway

- Courses support students who are working on modified expectations and are working to earn an Ontario Secondary School Certificate (**OSSC**).
- Requirements include 7 Compulsory credits: English (2), Canadian Geography or Canadian History (1), Math (1), Science (1), Physical Education (1), Arts or Technology (1), plus 7 Elective credits.
- Students will have an Individual Education Plan (IEP) and will be working with a Learning Resource Teacher (LRT). Most students will be identified through the Identification, Placement and Review Committee (IPRC) process.
- Programming will facilitate a successful transition to the workplace following secondary school.
- Modifications and accommodations are provided as appropriate.
- Students may make a transition into Diploma Pathway after Year 2.
- For non-credit course descriptions, see page B12.
- In Years 3 and 4, students are encouraged to practice and refine workplace skills.
- Students will be exempted from writing the Ontario Secondary School Literacy Test (OSSLT).
- Students are not required to completed 40 hours of Community Involvement.
- **Note:** Students wishing to select courses from this Pathway must consult Special Education staff. Individual student programs may vary.

## Suggested Course Options – For Certificate Pathway

YEAR 1	YEAR 2	YEAR 3	YEAR 4
ENG1LI* English	ENG2LI* Literacy Skills	PPL2OF/M* Healthy Active Living Grade 11 Open	Four Optional Credits:  Co-op  OR  Subjects of interest to the student
MAT1LI* Mathematics	MAT2LI Mathematics		
SNC1LI* Science	AWT2OI* Visual Arts - Non-Traditional Grade 10 Open	KPHCNN Choice Making for Healthy Living 1 semester or full year	
GLE1OI Learning Strategies	KALBNN Creative Arts 1 semester or full year	KALCNN Creative Arts 1 semester or full year	
KALANN Creative Arts 1 semester or full year	KPHBNN Choice Making for Healthy Living 1 semester or full year		
KPHANN Choice Making for Healthy Living 1 semester or full year		KGLCNN Personal Life Skills 1 semester or full year	
KGLANN Personal Life Skills 1 semester or full year	KGLBNN Personal Life Skills 1 semester or full year		
Optional Credit TIJ1OI, NAC1OI, HIF1OI		Optional Credit Possible suggestions GLE3OI, TXJ3EI, HIP4OI, THJ3EI	
	Optional Credit Possible suggestions GLE2OI, TTJ2OI, TFJ2OI, TMJ2OI, TCJ2OI, HFN2OI		

\* Indicates recommended compulsories. Note: 7 Elective courses are also required (not “K” courses).



## Certificate of Accomplishment Pathway

***In order to ensure appropriate placement of students and adequate educational assistant support, parents are asked to contact the Developmental Learning teachers to arrange an appointment for selecting course options. Contact the Developmental Learning Unit at 519-924-2721 ext. 536.***

### **Pathway Features:**

- Courses support students who are working on modified expectations and are working to earn a Certificate of Accomplishment with an accompanying portfolio.
- Students will have an Individual Education Plan (IEP) and will be working with a Developmental Learning Resource Teacher (DLRT). Most students will be identified through the Identification, Placement and Review Committee (IPRC) process.
- Individual programming and small group support which will facilitate a successful transition to the community and/or workplace following secondary school.
- Accommodations and modifications are provided.
- There is a consistent core program with a focus on functional literacy, numeracy and life skills, which will be packaged and delivered with the support of Educational Assistants (EA's) in a small class setting. These developmental courses ("K - courses") are non-credit courses. The program will be highly individualized based on student need and expectations outlined on their Individual Education Plan (IEP).
- Students in this pathway may be scheduled for some credit courses as appropriate.
- In the senior years, students will have job experiences and/or supported co-operative education placement(s) to facilitate their transition to the community.
- Students will be supported in developing personal networks with agencies such as Ontario Disability Support Program (ODSP) and Community Living.

### **Core Programs May Include:**

Course code	Course name
KAL	Creative Arts for Enjoyment and Expression
KBB	Money Management and Personal Banking
KCC	Transit Training and Community Exploration
KCW	Exploring Our World
KEN	Language and Communication Development
KGL	Personal Life Skills
KGW	Exploring the World of Work
KHD	Social Skills Development
KHI	Culinary Skills
KMM	Numeracy and Numbers
KNA	First Canadians
KPF	Personal Health and Fitness
KPH	Choice Making for Healthy Living
KPP	Self Help and Self Care
KSN	Exploring Our Environment
KTT	Computer Skills

- **Note:** Students wishing to select from the Certificate of Accomplishment Pathway must consult with the Developmental Learning staff.
- See course descriptions for further details.
- These courses run depending on interest and availability and individual timetables may vary.

## Course Descriptions:

**KAL - CREATIVE ARTS FOR ENJOYMENT AND EXPRESSION:** This non-credit course offers opportunity to discover and develop the student's ability in different artistic forms and media, and to learn to appreciate works of art. Students will focus on the process and personal expression rather than the product achieved.

**KCC - TRANSIT TRAINING AND COMMUNITY EXPLORATION:** This non-credit course will help students develop a greater understanding of their local community. They will learn how to access various services and expand their knowledge of businesses and public spaces. Students will recognize common traffic signs and symbols, warning and safety signs, and demonstrate how to correctly apply this knowledge to various situations.

**KEN - LANGUAGE AND COMMUNICATION DEVELOPMENT:** The emphasis of this non-credit course is on developing functional language skills. Other language development will be central in all activities. Augmentative communication systems will be developed and supported as appropriate. Students will read and write for specific purposes, as well as develop their receptive and expressive communication skills. They will also receive individual small group instruction for basic reading skills and will develop sight word vocabularies.

**KGL - PERSONAL LIFE SKILLS:** This non-credit course provides students with instruction and practice in a variety of skills required for successful daily living. Tasks and activities will be individualized to allow maximum independence. Units may include personal care, healthy lifestyles, housekeeping, nutrition and understanding others.

**KGW - EXPLORING THE WORLD OF WORK:** The emphasis of this non-credit course is on the development of basic job skills and attitudes which will aid in the successful transition from school life to community employment. Students will take part in work experiences within the school setting including the vending machine business. Students are often scheduled for work experiences that involve community outings. This course commonly leads to involvement in the Grey Highlands Cooperative Education Program.

**KHD - SOCIAL SKILLS DEVELOPMENT:** This course will encourage students to form positive relationships and develop a healthy self-image. They will develop problem-solving skills that can be used in a variety of social contexts. Other topics addressed may include appropriate social language and conversation skills, self-control techniques, conflict resolution, and methods of stress reduction.

**KHI - CULINARY SKILLS:** Throughout this non-credit course students will have the opportunity to experience learning some basic custodial tasks in the industrial kitchen. Tasks could include sanitization of countertops and other surfaces, sorting, folding and organizing daily laundry, garbage and recycling, running dishes through the dishwasher, and putting kitchen tools in their place. Students may have the opportunity to assist in preparing foods.

**KMM - NUMERACY AND NUMBERS:** The emphasis of this non-credit course is on developing functional numeracy skills to assist with daily living. In numeracy they will practice skills related to number sense and numeration, measurement, money management, budgeting, personal banking and basic calculator usage.

**KPF - PERSONAL HEALTH AND FITNESS:** This non-credit course focuses on personal health and fitness, including strength and flexibility exercises related to individual physiotherapy programs. The students will participate in group games and team sports as part of training for Ontario Special Olympics events such as bowling, swimming, and track and field.

**KPH - CHOICE MAKING FOR HEALTHY LIVING:** This non-credit course can be one or two semesters in length. This course is focused on two aspects; promoting healthy active lifestyles and developing skills that support positive relationships. Both portions of the course are designed to work together so skills learned in one area can be applied in the other (e.g., conflict resolution is learned during the classroom lessons and applied in physical activity units.)

**KTT - COMPUTER SKILLS:** This non-credit course provides instruction in basic computer skills and is designed to meet individual needs. Students will be exposed to keyboarding, word processing, using the Internet for research, e-mail, tables and data base techniques. A class newsletter is produced incorporating graphics and clip art.



## GREY HIGHLANDS SECONDARY SCHOOL

### Course Descriptions and Prerequisites

#### PROGRAM CANCELLATION

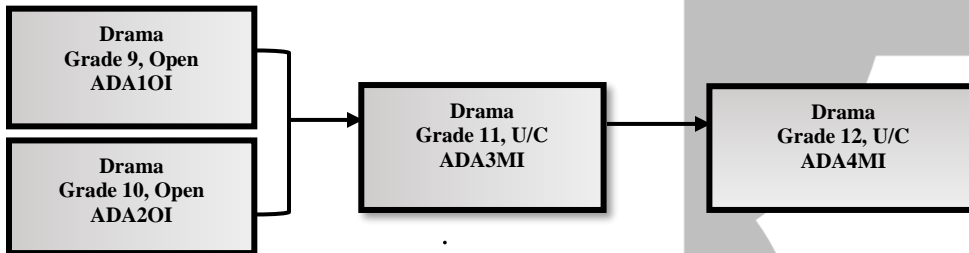
Programs offered in this calendar will be run where class size warrants. The administration reserves the right to cancel programs due to insufficient enrolment. In these cases, students may be scheduled to take alternate course selection.

The courses offered by this school have been developed according to the requirements of the Ontario Ministry of Education. Copies of courses of study may be accessed on the Internet at <http://www.edu.gov.on.ca>

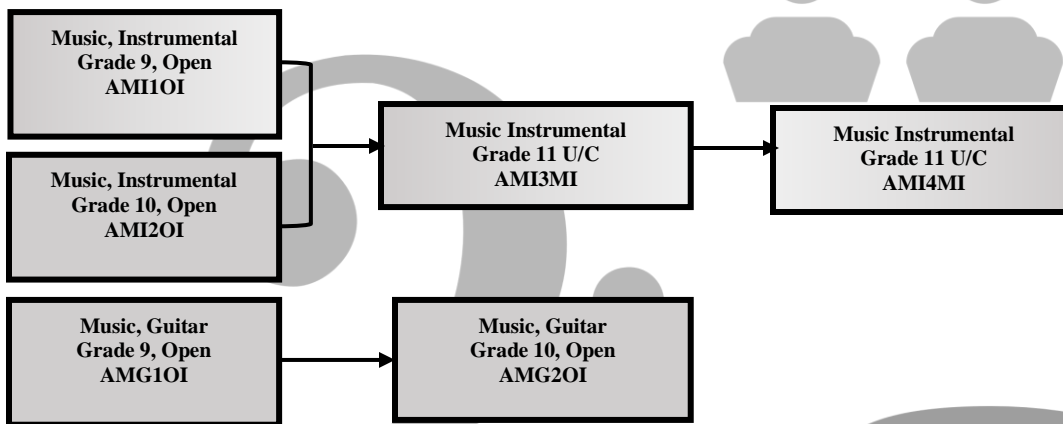
**Please note:** The course flowcharts below depict movements from course to course with regard for prerequisites but do not include all possible movements from course to course.

# The Arts

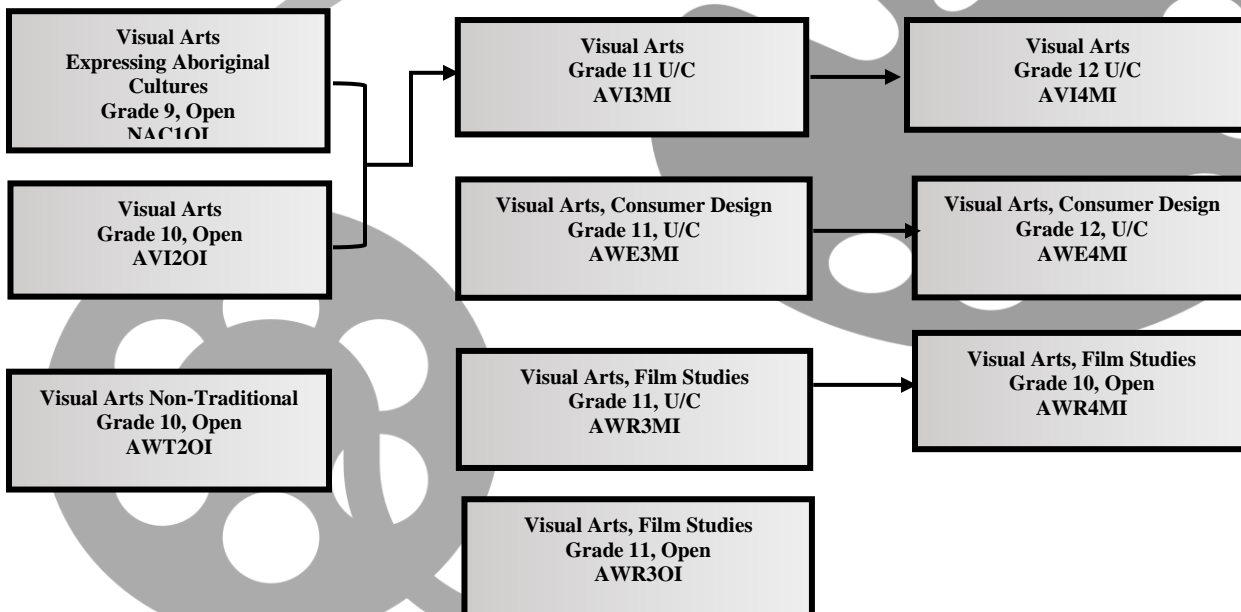
## DRAMA



## MUSIC



## VISUAL ARTS



- ADA1OI**     **DRAMA - OPEN:** This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them. ***Prerequisite: None***
- AMI1OI**     **INSTRUMENTAL MUSIC - OPEN:** This course emphasizes the performance of instrumental music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use. ***Prerequisite: None***
- NAC1OI**     **VISUAL ARTS - EXPRESSING ABORIGINAL CULTURES - OPEN:** This course examines Aboriginal cultures in Canada through an exploration of art forms - painting, sculpture, storytelling, dance, and music - created by Aboriginal artists. Students will learn to identify Aboriginal art forms and describe relationships between the art forms and Aboriginal traditions, philosophy, and culture. Students will also create their own art forms to express their understanding of Aboriginal identity, relationships, and sovereignty. ***Prerequisite: None***

#### **Grade 10 Arts Courses:**

- ADA2OI**     **DRAMA - 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.***

***Grey Highlands is very proud of its guitar courses, through which many young people learn skills they could enjoy throughout their lives. It is necessary to have access to your own guitar. Our introductory Guitar course is coded as a Grade 9 subject. However, it is only available to students in Grades 10-12.***

- AMG1OI**     **GUITAR - OPEN:** This course emphasizes the performance of guitar music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use. ***Grade nine students are not eligible to take this course.***
- AMG2OI**     **GUITAR - OPEN:** This course emphasizes performance of guitar music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. ***Prerequisite: None. Recommended Preparation: AMG1OI***



- AMI2OI INSTRUMENTAL MUSIC - OPEN:** This course emphasizes performance of instrumental music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. ***Prerequisite: None. Recommended Preparation: AMI1OI***
- AVI2OI VISUAL ARTS - OPEN:** 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. Recommended Preparation NAC1OI***
- AWT2OI VISUAL ARTS - NON-TRADITIONAL - OPEN:** This course integrates media and visual arts in the examination of youth culture and expression, and the development of non-traditional arts in the twentieth and twenty-first centuries. Students will learn specialized arts vocabulary while investigating different art forms and will create works using non-traditional methods. ***Prerequisite: None***

#### **Grade 11 Arts Courses:**

- ADA3MI DRAMA - UNIVERSITY/COLLEGE:** This course requires students to create and perform in dramatic presentations. Students will analyse, 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 analyse the functions of playwrights, directors, actors, designers, technicians, and audiences. ***Prerequisite: ADA1OI or ADA2OI***
- AME3OI MUSIC SMALL ENSEMBLE - OPEN:** This course develops students' musical literacy and work ethic through performance and the preparation of recorded music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their life and their careers. This course will focus on Guitar and Instrumental music. ***Prerequisite: AMG2OI***
- AMI3MI INSTRUMENTAL MUSIC - UNIVERSITY/COLLEGE:** This course emphasizes the appreciation, analysis, and performance of various kinds of music, including baroque and classical music, popular music, and Canadian and non-Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyse and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities. ***Prerequisite: Any Grade 9 or 10 Music Course. Recommended Preparation: AMI2OI***

- AVI3MI VISUAL ARTS - UNIVERSITY/COLLEGE:** 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:** *NAC1OI or AVI2OI*
- AWE3MI VISUAL ARTS - INFORMATION/CONSUMER DESIGN (YEARBOOK) - UNIVERSITY/COLLEGE:** Information and consumer design includes studio work based on advertising, package and product design. Emphasis placed on layout, lettering, colour, psychology, symbolism, logos, letterheads, and photography. Students learn how to operate a digital camera and use software packages to create page layouts. Students will be responsible for the production of a school yearbook. **Recommended:** *NAC1OI or AVI2OI or TGJ2OI*
- AWR3MI VISUAL ARTS - FILM STUDIES - UNIVERSITY/COLLEGE:** This course provides students with opportunities to develop their skills and knowledge in visual arts as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production and interactive new media. Students will work on story-boarding, planning, directing and editing of video works as well as film history and criticism. **Recommended:** *NAC1OI or AVI2OI or TGJ2OI*
- AWR3OI VISUAL ARTS - FILM STUDIES - OPEN:** This course provides students with opportunities to develop their skills and knowledge in visual arts as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production and interactive new media. Students will also work in a production team to plan and produce a short video. **Recommended:** *NAC1OI or AVI2OI or TGJ2OI*

#### Grade 12 Arts Courses:

- ADA4MI DRAMA - UNIVERSITY/COLLEGE:** This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other text and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school. **Prerequisite:** *ADA3MI*
- AMI4MI MUSIC - UNIVERSITY/COLLEGE:** This course emphasizes the appreciation, analysis, and performance of music from the romantic period and the twentieth century, including art music, jazz, popular music, and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently. They will also complete complex creative projects. **Prerequisite:** *AMI3MI*

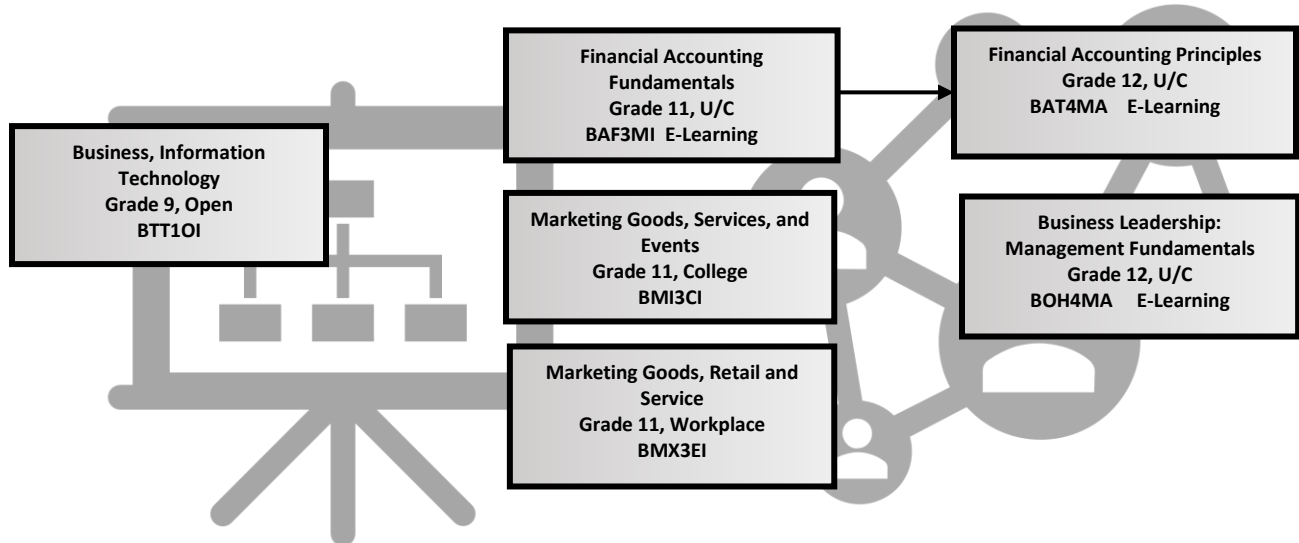
**AVI4MI** **VISUAL ARTS - UNIVERSITY/COLLEGE:** This course focuses on enabling students to refine their use of the creative process when creating and presenting two and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis 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: AVI3MI**

**AWE4MI** **VISUAL ARTS - INFORMATION/CONSUMER DESIGN (YEARBOOK) - UNIVERSITY/COLLEGE:** Advanced information design further develops the skills gained in AWE3MI through a commercial approach to illustration, both technical and interpretative, graphic arts in advertising, and photography. Studio activities include layout, symbolism, architectural illustration techniques and advanced photography. Students will take a leadership role in the production of a school yearbook.  
**Prerequisite: AWE3MI**

**AWR4MI** **VISUAL ARTS - FILM STUDIES - UNIVERSITY/COLLEGE:** This course focuses on the refinement of student skills and knowledge in visual arts; focusing on the art of film. Students will analyze films using theories of film production. The emphasis of this course is the continuance of the study of film from the Grade 11 course. Students will plan and produce a video and prepare a treatise on a director.  
**Prerequisite: AWR3MI**



# Business



**BTT1OI INFORMATION AND COMMUNICATION TECHNOLOGY IN BUSINESS - OPEN:** This course introduces students to information and communication technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, and website design skills. Throughout the course, there is an emphasis on digital literacy, effective electronic research and communication skills, and current issues related to the impact of information and communication technology. ***Prerequisite: None***

## Grade 11 Business Courses:

**BAF3MA FINANCIAL ACCOUNTING FUNDAMENTALS - E-LEARNING (ON-LINE):** This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and ethics and current issues in accounting. ***Prerequisite: None***

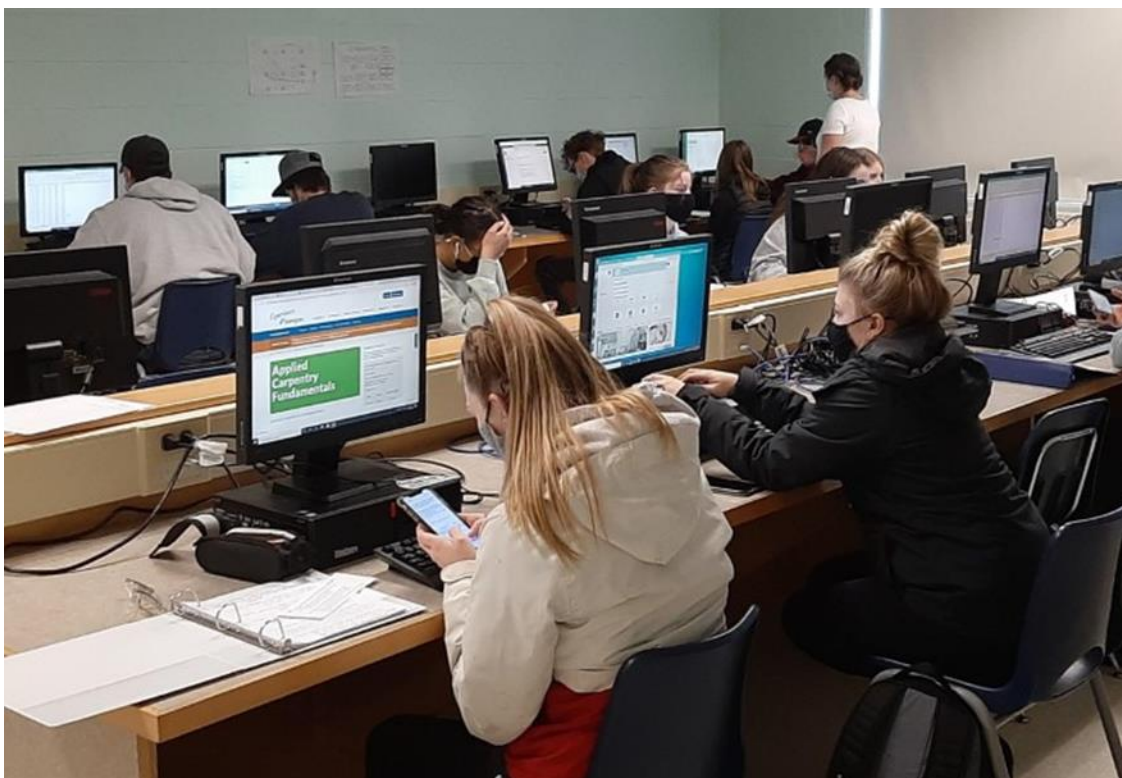
**BMI3CI MARKETING: GOODS, SERVICES, EVENTS - COLLEGE:** This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice. ***Prerequisite: None***

**BMX3EI     MARKETING: RETAIL AND SERVICE - WORKPLACE:** 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***

**Grade 12 Business Courses:**

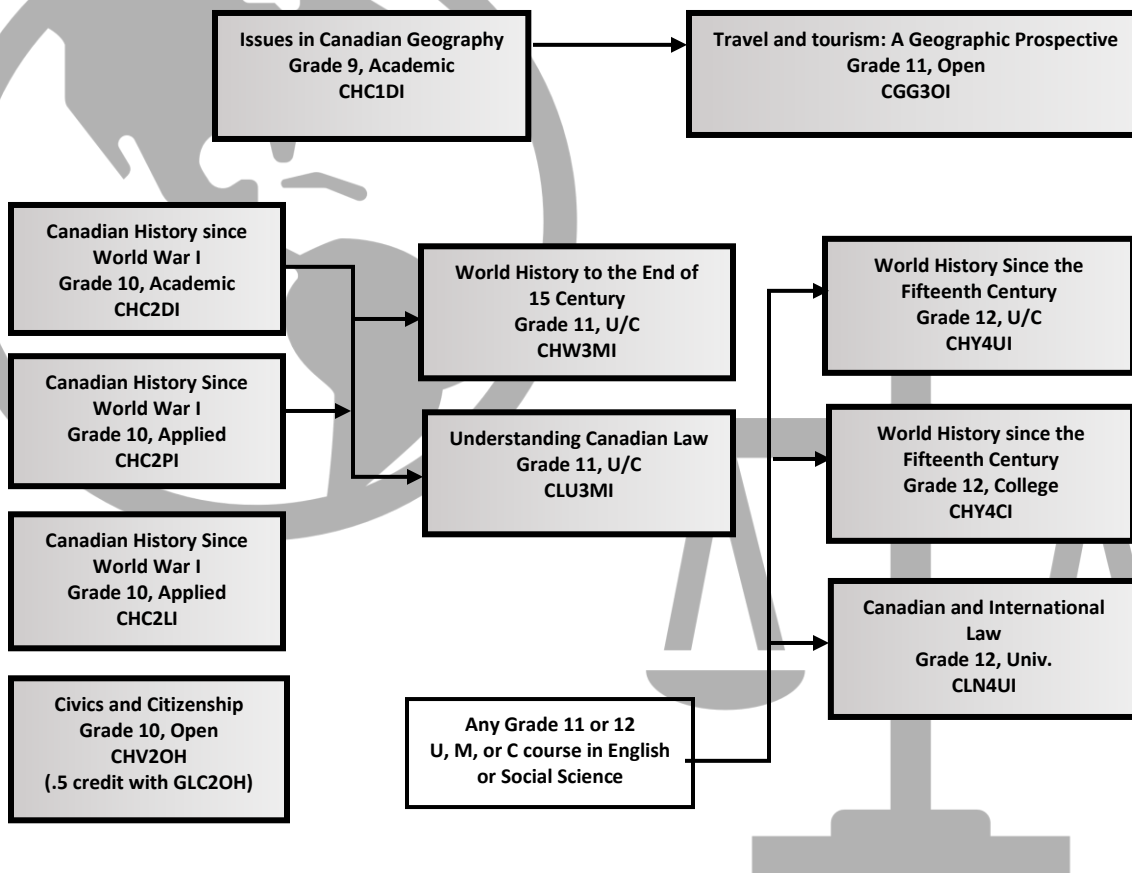
**BAT4MA     FINANCIAL ACCOUNTING PRINCIPLES - E-LEARNING (ON-LINE):** This course introduces students to advanced accounting principles that will prepare them for postsecondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements 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: BAF3MI***

**BOH4MA     BUSINESS LEADERSHIP: MANAGEMENT FUNDAMENTALS - E-LEARNING (ON-LINE):** This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized. ***Prerequisite: None***





# Canadian and World Studies



## Grade 9 Canadian and World Studies Courses: Geography

**CGC1DI ISSUES IN CANADIAN GEOGRAPHY - ACADEMIC:** This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live. **Prerequisite: None**

## Grade 10 Canadian and World Studies Courses: History and Civics

**CHC2DI CANADIAN HISTORY SINCE WORLD WAR I - 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**



- CHC2PI CANADIAN HISTORY SINCE WORLD WAR I - 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**
- CHC2LI CANADIAN HISTORY SINCE WORLD WAR I – LOCALLY DEVELOPED:** This course explores the connections between the student and key people, events, and themes in Canadian history. Students will develop their historical literacy skills and creative and critical thinking skills. The course covers themes of Canadian history since World War I to the present, and the forces that have caused change and continuity, as well as the importance of Canadian identity. Students selecting this course must consult with Guidance or Special Education. **Prerequisite: None**
- CHV2OH CIVICS AND CITIZENSHIP - OPEN:** This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance 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. This course also includes learning on digital literacy and critical-thinking skills, the mechanisms of government, Indigenous governance systems and structures, the historical foundations of the rights and freedoms we enjoy in Canada, ways in which government policy affects individuals' lives and the economy, and ways for students to serve their communities.  
**Prerequisite: None .5 credit must be taken with GLC2OH – See course description under Guidance and Career Education.**

#### **Grade 11 Canadian and World Studies Courses: Geography, History and Law**

- CGG3OI TRAVEL AND TOURISM: A GEOGRAPHIC PERSPECTIVE - OPEN:** This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities. **Prerequisite: CGC1DI or CGC1PI**

**Please note: Additional Geography courses are offered through the Environmental Studies Program (pgs. B41-42)**

- CHW3MI WORLD HISTORY TO THE END OF THE FIFTEENTH CENTURY - 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: CHC2DI or CHC2PI***
- CLU3MI UNDERSTANDING CANADIAN LAW - 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 develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them. ***Prerequisite: CHC2DI or CHC2PI***

#### **Grade 12 Canadian and World Studies Courses: History and Law**

- CHY4CI WORLD HISTORY SINCE THE FIFTEENTH CENTURY - 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***
- CHY4UI WORLD HISTORY SINCE THE FIFTEENTH CENTURY - 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.***
- CLN4UI CANADIAN AND INTERNATIONAL LAW - 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.***

## Co-operative Education

**4 Credit, full day Co-op**

**2 Credit, half day Co-op**

Students generally select four credits of Co-op for a full day work experience or two credits of Co-op for a half day placement. **A minimum of 2 credits of Co-operative Education is required for any students participating in a Specialist High Skills Major program.**

Co-op allows students to develop employability and industry-specific skills in a safe work environment. Co-op involves and creates a partnership between students and parents within the school environment and the greater business community.

Students have the opportunity to earn credits towards their high school diploma as they gain hands-on experience in a workplace. It is a unique educational experience tailored specifically to the individual student and their particular career interests. Co-op is a planned learning experience that integrates classroom theory and skill development at a workplace. Through this experience, students develop skills, connections, knowledge and attitudes that are essential to succeed in today's work environment.

### **Cooperative Education Linked to a Related Course (s)**

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

### **Prerequisites:**

- students must provide their own transportation to their workplace or used their established bus route
- students should have a minimum of 16 credits
- application process involves interviews with Co-op department and potential employer

### **DCO30 Grade 11, Open Creating Opportunities through Co-op,**

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**

**Co-op Placement Possibilities:** Work experiences are available in careers such as: healthcare, construction, retail, hairstyling, electrical, fire services, childcare, veterinary technician, baker, farm machinery technician, food services, fitness training, landscaping, welding, computer tech support, plumbing, automotive, educational assistants, small engine repair, senior care, dental, and many others.

**Thanks to our Co-op Employers!**

We are fortunate to be able to offer an amazing variety of learning opportunities to Grey Highlands' Co-op students. Many of our Co-op employers have provided years of on-the-job training. Without their willingness to share their knowledge and skills, we could not offer this program to our students.

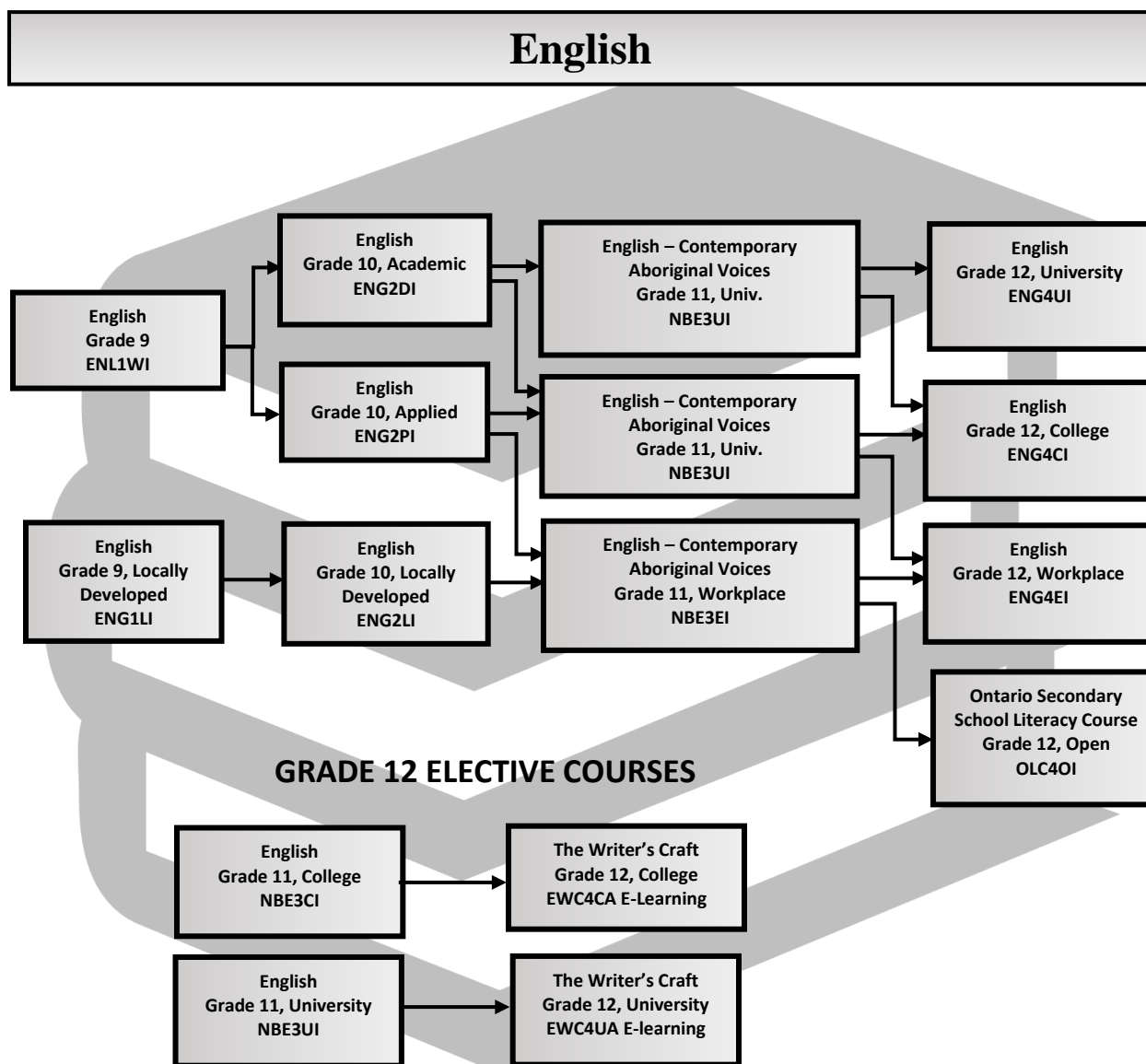
**We are very grateful to have such wonderful support in our community workplaces!**

**Ontario Youth Apprenticeship Program (OYAP):** Co-op students in a trade-based placement will get a head start on becoming a fully qualified journeyman. Co-op hours can be counted towards their apprenticeship hours.

**Canadian Armed Forces Co-operative Education Program:** Stationed at the Armoury in Owen Sound, students complete basic military training and are entitled to reserve pay and benefits for the duration of the Co-op experience. Interested students must submit an application and undergo extensive military screening procedures. This program may not run each school year.

**Bruce Power Co-operative Education Program:** Bruce Power Co-op offers experiences at Tiverton in a wide range of placements, including skilled trades, information technology, nuclear careers and business and office functions. A separate application and interview is required early in the year prior to the Co-op placement.





### Grade 9 English Courses:

**ENL1WI** **ENGLISH:** This course enables students to continue to develop and consolidate the foundational knowledge and skills that they need for reading, writing, and oral and visual communication. Throughout the course, students will continue to enhance their media literacy and critical literacy skills, and to develop and apply transferable skills, including digital literacy. Students will also make connections to their lived experiences and to society and increase their understanding of the importance of language and literacy across the curriculum. **Prerequisite: None**

**ENG1LI**     **ENGLISH - LOCALLY DEVELOPED:** This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the English Grade 10 Workplace Preparation course. The course is organized by strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students develop strategies and put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas. ***Prerequisite: None***

#### **Grade 10 English Courses:**

**ENG2DI**     **ENGLISH - ACADEMIC:** This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course. ***Prerequisite: ENG1DI***

**ENG2LI**     **ENGLISH - LOCALLY DEVELOPED:** In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace and in the English – Contemporary Aboriginal Voices, Grade 11 workplace preparation course. The course is organized by 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 in 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: Any Grade 9 English***

**ENG2PI**     **ENGLISH - APPLIED:** This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course. ***Prerequisite: ENG1DI***

#### **Grade 11 English Courses:**

**NBE3CI**     **ENGLISH – UNDERSTANDING CONTEMPORARY FIRST NATIONS, MÉTIS, and INUIT VOICES - COLLEGE:** This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays, and analyse the relationship between media forms and audiences.



An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity. ***Prerequisite: ENG2DI or ENG2PI***

**NBE3EI ENGLISH - UNDERSTANDING CONTEMPORARY FIRST NATIONS, MÉTIS, and INUIT VOICES - WORKPLACE:** This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write explanations, letters, and reports, and will investigate the connections between media forms and audiences. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts. ***Prerequisite: Any Grade 10 English***

**NBE3UI ENGLISH - UNDERSTANDING CONTEMPORARY FIRST NATIONS, MÉTIS, and INUIT VOICES - UNIVERSITY:** This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship between media forms and audiences. An important focus will be the further development of students' understanding of English-language usage and conventions. ***Prerequisite: ENG2DI***

### **Grade 12 English Courses:**

**ENG4CI ENGLISH - COLLEGE:** This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace. ***Prerequisite: NBE3UI or NBE3CI***

**ENG4EI ENGLISH - WORKPLACE:** This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship. ***Prerequisite: NBE3CI or NBE3EI***

**ENG4UI ENGLISH - UNIVERSITY:** This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace. ***Prerequisite: NBE3UI***

**OLC4OI     ONTARIO SECONDARY SCHOOL LITERACY COURSE (OSSLC) - OPEN:** This course is designed to meet the requirements for the Ontario Secondary School Literacy Test. Students will complete a literacy portfolio to demonstrate their competency in reading and writing skills. The course will allow for greater time and has been developed to provide students who have been unsuccessful on the OSSLT with intensive support in achieving the required reading and writing competencies, and with an alternative means of demonstrating their literacy skills. The reading and writing competencies required by the OSSLT form the instructional and assessment core of the course. Students who successfully complete this course will have met the provincial literacy requirement for graduation, and will earn one credit. The credit earned for successful completion of the OSSLC may be used to meet either the Grade 12 English compulsory credit requirement for those students not going to college or the Group 1 additional compulsory credit requirement. ***Prerequisite: Students who have been eligible to write the OSSLT and have been unsuccessful at least once are eligible to take the OSSLC.***

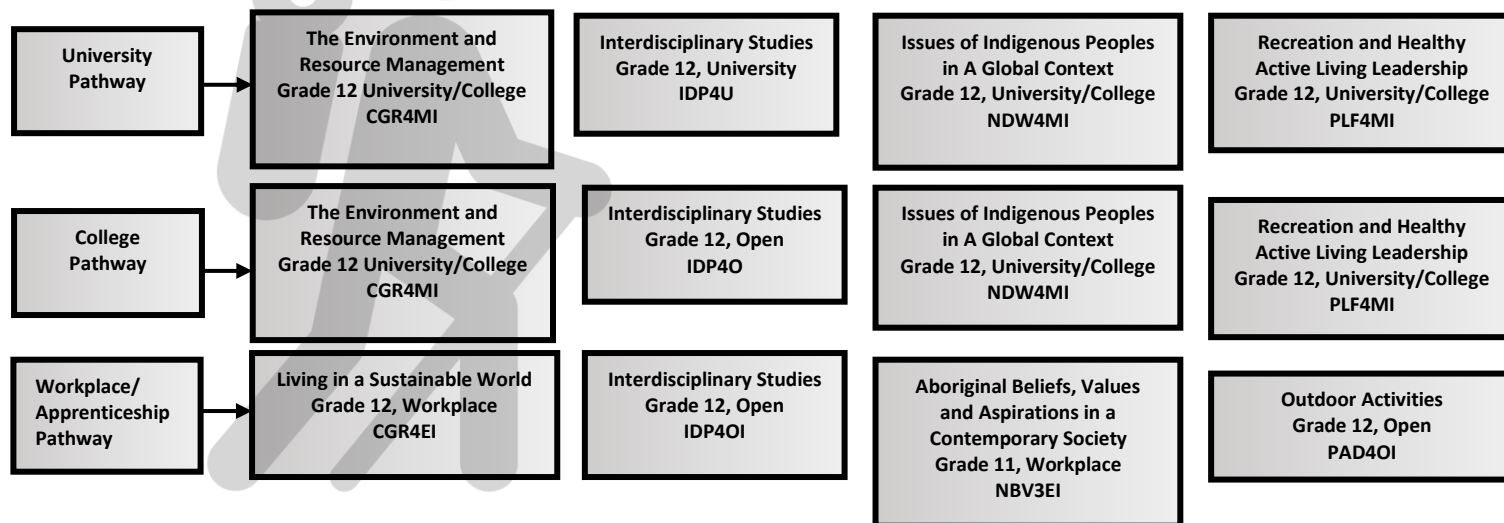
#### **Grade 12 Elective English Courses:**

**EW44UA     THE WRITER’S CRAFT - UNIVERSITY - E-LEARNING - ON-LINE:** This course emphasizes knowledge and skills related to the craft of writing. Students will analyse models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers. ***Prerequisite: NBE3UI***

**EW44CA     THE WRITER’S CRAFT - COLLEGE - E-LEARNING - ON-LINE:** This course emphasizes knowledge and skills related to the craft of writing. Students will analyse models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers. ***Prerequisite: NBE3CI***



## Environmental Studies Course Descriptions



The Environmental Studies Program (ESP) offers senior students a unique opportunity to enhance their academic learning by moving beyond the traditional classroom and incorporating regular field trip learning experiences into the curriculum. Students spend the entire school day with the same students for the semester. This program follows an integrated approach to learning which involves grouping four credits together that focus on the environment. Students finish the course by participating in a canoe trip in Northern Ontario in June.

***There is an application process for this program. Please pick up an application form from the Guidance Office and return it as soon as possible. Courses included with this program are as follows:***

### Canadian and World Issues: Geography - Subject to Change

**CGR4EI LIVING IN A SUSTAINABLE WORLD - WORKPLACE:** This course examines the impact of human activity on the natural environment. Students will explore the use of natural spaces and resources and how planning decisions and consumer choices affect natural systems. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate practical solutions to environmental issues, enabling them to make more sustainable decisions at home and in the workplace. ***Prerequisite: CGC1DI or CGC1PI***

**OR**

**CGR4MI THE ENVIRONMENT AND RESOURCE MANAGEMENT - UNIVERSITY/COLLEGE:** This course explores interactions between the natural and human environment, with a particular focus on the impact of human activity on various ecosystems. Students will explore resource management and sustainability practices, as well as related government policy and international protocols. Applying the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, students will investigate the relationship between people and the natural environment and will propose approaches for developing more sustainable relationships, including environmentally responsible actions that support stewardship. ***Prerequisite: Any university, university/college, or college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities***

## First Nations, Metis, and Inuit Studies -Subject to Change

**NBV3EI ABORIGINAL BELIEFS, VALUES, AND ASPIRATIONS IN CONTEMPORARY SOCIETY - WORKPLACE:** This course focuses on the beliefs, values, and aspirations of Aboriginal peoples in Canada. Students will examine issues of identity facing Indian, Métis, and Inuit peoples, and their relationships to land and nature, as well as to one another within their communities and working environments. Students will also learn how traditional and contemporary beliefs and values influence the present-day aspirations and actions of Aboriginal peoples. ***Prerequisite: Aboriginal Peoples in Canada, Grade 10, Open or Canadian History in the Twentieth Century, Grade 10, Academic or Applied***

OR

**NDW4MI ISSUES OF INDIGENOUS PEOPLES IN A GLOBAL CONTEXT - 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 Native studies***

## Interdisciplinary Studies

**IDP4OI INTERDISCIPLINARY STUDIES - OPEN LEVEL:** This course emphasizes the development of practical skills and knowledge to solve problems, create personal meaning, and present findings beyond the scope of a single subject or discipline. Through individual and collaborative inquiry and research into contemporary issues, real-life situations, and careers, students will apply the principles and skills, derived from complementary subjects and disciplines studied, evaluate the reliability of information, and examine how information technology can be used safely, effectively, and legally. They will also learn how to select strategies to define problems, research alternative solutions, assess their thinking in reaching decisions, and adapt to change as they acquire new knowledge.  
***For college bound students,*** this course combines the expectations for Interdisciplinary Studies, Grade 12 open, with selected expectations from the following three co-requisite courses: CGR4MI, CGF3MI, PLF4MI.  
***For apprenticeship or workplace bound students,*** this course combines the expectations for Interdisciplinary Studies, Grade 12 open, with selected expectations from the following three co-requisite courses: CGR4EI, CGT3OI, PAD4OI.

OR

**IDP4UI INTERDISCIPLINARY STUDIES - UNIVERSITY:** This course will help students develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to analyse historical innovations and exemplary research; and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will also assess their own cognitive and affective strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge.  
***For university bound students,*** this course combines the expectations for Interdisciplinary Studies, Grade 12, university, with selected expectations from the following three co-requisite courses: CGR4MI, CGF3MI, PLF4MI.

## Physical Education

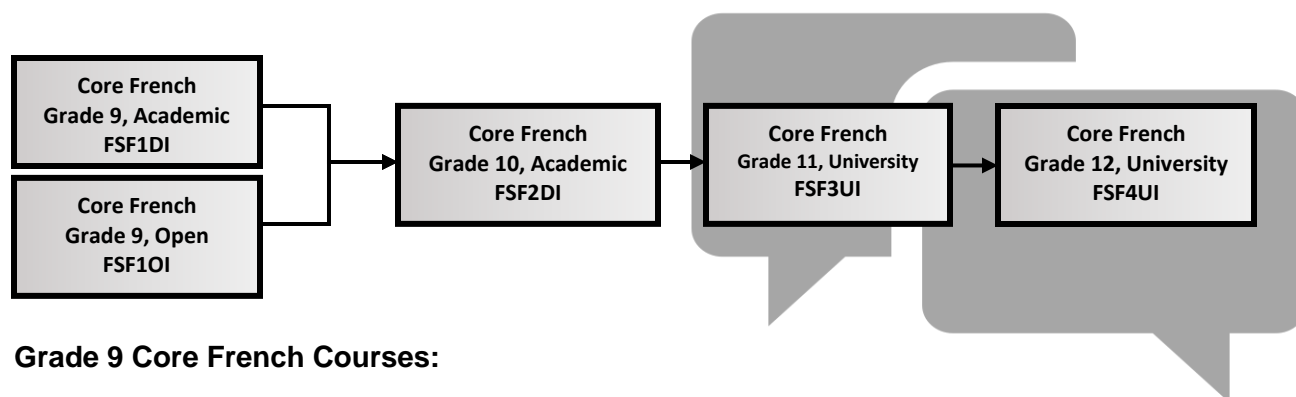
**PAD4OI HEALTHY LIVING AND OUTDOOR ACTIVITIES - OPEN LEVEL:** This course focuses on the development of leadership and coordination skills related to recreational activities. Students will acquire the knowledge and skills required to plan, organize, and implement recreational activities. They will also learn the value of physical fitness, personal well-being, and personal safety while participating in a number of outdoor activities such as hiking, x-country skiing, snowshoeing, camping, swimming, canoe tripping, and hiking, etc. ***Prerequisite: Any Health and Physical Education course***

OR

**PLF4MI RECREATION AND HEALTHY ACTIVE LIVING LEADERSHIP - UNIVERSITY/COLLEGE:** This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical education and health and kinesiology and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership. ***Prerequisite: Any Health and Physical Education course***



## French Course Descriptions



### Grade 9 Core French Courses:

**FSF1DI**     **CORE FRENCH - ACADEMIC:** This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will develop their skills in listening, speaking, reading, and writing by using language learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities and will develop skills necessary for lifelong language learning. ***Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent.***

**FSF1OI**     **CORE FRENCH - OPEN:** This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600 hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings, and will develop fundamental skills in listening, speaking, reading, and writing through discussing issues and situations that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary for lifelong language learning. ***Prerequisite: None. May only be selected in consultation with your Learning Resource Teacher.***

### Grade 10 Core French Courses:

**FSF2DI**     **CORE FRENCH - 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: FSF1DI***

## **Grade 11 Core French Courses:**

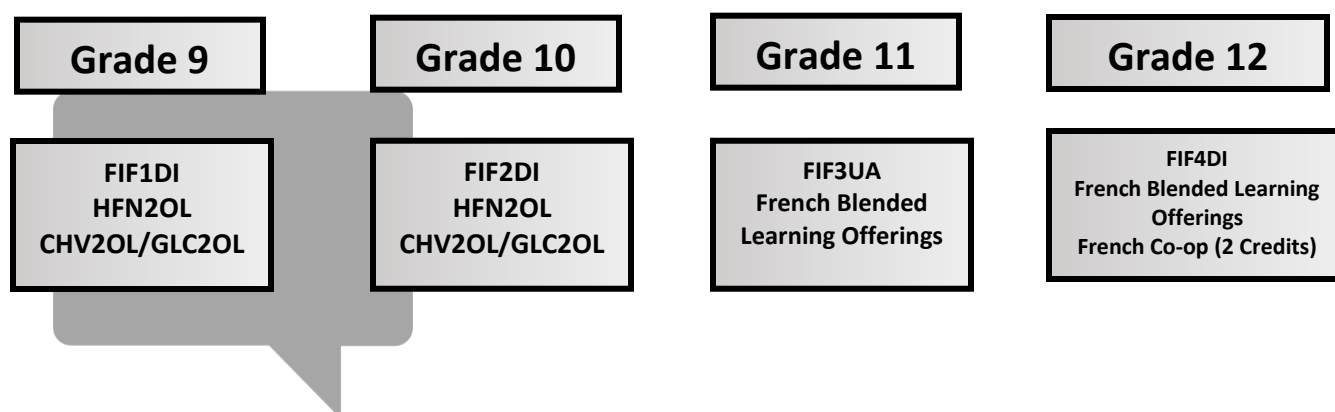
**FSF3UI**      **CORE FRENCH - UNIVERSITY:** This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing skills, as well as their creative and critical thinking 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: FSF2DI***

## **Grade 12 Core French Courses:**

**FSF4UI**      **CORE FRENCH - UNIVERSITY:** This course provides extensive opportunities for students to speak and interact in French independently. Students will develop their listening, speaking, reading, and writing skills, apply language learning strategies in a wide variety of real-life situations, and develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. They will also enrich their understanding and appreciation of diverse French-speaking communities and will develop skills necessary for lifelong language learning. ***Prerequisite: FSF3UI***

***Grade 11 and 12 Core French may be offered through a Blended Learning Environment depending on enrolment.***

## French Immersion Course Descriptions



### Important Notes regarding Immersion or Extended French Programs:

1. The Immersion and Extended French Programs will be offered dependent on sufficient enrolment. Some courses may be offered through a Blended Learning Environment.
2. Those students who are intending to take the Extended French program and who are heading into Grade 9 must select the following courses: FIF1DI, CHV2OL, GLC2OL, and HFN2OL.
3. Those students who are intending to complete the Immersion or Extended Program and who are heading into Grade 11 or 12 should check that they will have 7 to 10 French credits. A Co-op placement in an elementary French Immersion classroom is another way to earn 1 French credit and 1 regular Co-op credit, but placements are limited. Students who choose this option are advised to speak with a Co-op teacher and one of the Extended French teachers.

### **French Immersion and Extended French**

To graduate with an Extended French certificate, you must have completed FIF1DI, FIF2DI, FIF3UI and FIF4UI plus three electives in French for a total of seven French Immersion credits. To graduate with a French immersion Certificate a student must take a total of 10 French language courses.

### **Grade 9 French Language Courses:**

**FIF1DI      FRENCH IMMERSION - ACADEMIC:** This course provides opportunities for students to speak and interact in French independently in a variety of real-life and personally relevant contexts. Students will develop their skills in listening, speaking, reading, and writing, as well their ability to communicate in French with confidence, by using language learning strategies introduced in the elementary French Immersion program. Students will enhance their knowledge of the French language through the study of French-Canadian literature. They will also increase their understanding and appreciation of diverse French-speaking communities and will develop skills necessary for lifelong language learning. ***Prerequisite: Minimum of 3800 hours of French instruction, or equivalent***



## Grade 10 French Language Courses:

- FIF2DI FRENCH IMMERSION - ACADEMIC:** This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will use a variety of language learning strategies in listening, speaking, reading, and writing, and will respond to and interact with print, oral, visual, and electronic texts. Students will develop their knowledge of the French language through the study of contemporary French literature and historically well-known French European literature. They will also increase their understanding and appreciation of diverse French-speaking communities and will develop skills necessary for lifelong language learning. **Prerequisite: FIF1DI**
- ADA2OL DRAMA – OPEN – Not offered every year:** 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.**
- CHV2OL CIVICS AND CITIZENSHIP - OPEN:** This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of political issues and developments that are both of significance in today's world and of personal interest to them. **Prerequisite: None .5 credit course must be taken with GLC2OL**
- GLC2OL CAREER STUDIES - OPEN:** This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess 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 .5 credit course must be taken with CHV2OL**
- HFN2OL FOOD AND NUTRITION- OPEN – Not offered every year:** This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food preparation skills and introduces them to the use of Social Science research methods in the area of food and nutrition. **Prerequisite: None**

## Grade 11 French Language Courses:

- FIF3UI FRENCH IMMERSION - UNIVERSITY PREPARATION:** This course provides opportunities for students to consolidate the communication skills required to speak and interact with increasing confidence and accuracy in French in a variety of academic and social contexts. Students will use their skills in listening, speaking, reading, and writing and apply language learning strategies while exploring a variety of concrete and abstract topics. Students will increase their knowledge of the French language through the study of French literature from around the world. They will also deepen their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. ***Prerequisite: FIF2DI***
- ADA3ML DRAMA - UNIVERSITY/COLLEGE: Not offered every year.** This course requires students to create and perform in dramatic presentations. Students will analyse, 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 analyse the functions of playwrights, directors, actors, designers, technicians, and audiences. ***Prerequisite: ADA1OL or ADA2OL***

## Grade 12 French Language Courses:

- FIF4UI FRENCH IMMERSION - UNIVERSITY PREPARATION:** This course provides opportunities for students to consolidate the communication skills required to speak and interact with increasing confidence and accuracy in French in a variety of academic and social contexts. Students will use their skills in listening, speaking, reading, and writing and apply language learning strategies while exploring a variety of concrete and abstract topics. Students will increase their knowledge of the French language through the study of French literature from around the world. They will also deepen their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. ***Prerequisite: FIF3UI***



# Guidance and Career Education

Career Studies  
Grade 10, Open  
GLC2OH  
.5 credit  
packaged with CHV2OH

## Learning Strategies – for students with Individual Education Plans

Learning Strategies  
Skills for Success in  
Secondary School  
Grade 9, Open  
GLE1OI

Learning Strategies  
Skills for Success in  
Secondary School  
Grade 10, Open  
GLE2OI

Learning Strategies  
Skills for Success in  
Secondary School  
Grade 11, Open  
GLE3OI

Learning Strategies  
Skills for Success in  
Secondary School  
Grade 12, Open  
GLE4OI

## Grade 9, 10, 11 and 12 Learning Strategies Courses:

- GLE1OI      LEARNING STRATEGIES 1 – SKILLS FOR SUCCESS IN SECONDARY SCHOOL - OPEN:** This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal-management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond. ***Prerequisite: Recommendation of Grade 8 Language Arts Teacher and Learning Resource Teacher or Principal***
- GLE2OI      LEARNING STRATEGIES – SKILLS FOR SUCCESS IN SECONDARY SCHOOL - OPEN:** This course explores learning strategies and helps students become better, more independent learners while increasing their personal management skills, both in school and in other contexts. Students will learn how to develop and apply a range of strategies to improve their learning and achievement, particularly their literacy, numeracy, communication, and planning skills. This course will increase students' confidence, motivation, and ability to learn. See flow-chart at the beginning of this section, Guidance and Career Education. ***Prerequisite: Recommendation of Principal***
- GLE3OI      ADVANCED LEARNING STRATEGIES - SKILLS FOR SUCCESS AFTER SECONDARY SCHOOL - OPEN:** This course improves students' learning and personal-management skill, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will access their learning abilities and use literacy, numeracy, research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their learning. Students will investigate trends and resources to support their postsecondary employment, training and/or education choices and develop a plan to help them meet their learning and career goals. See flow-chart at the beginning of this section, Guidance and Career Education. ***Prerequisite: Recommendation of Principal***

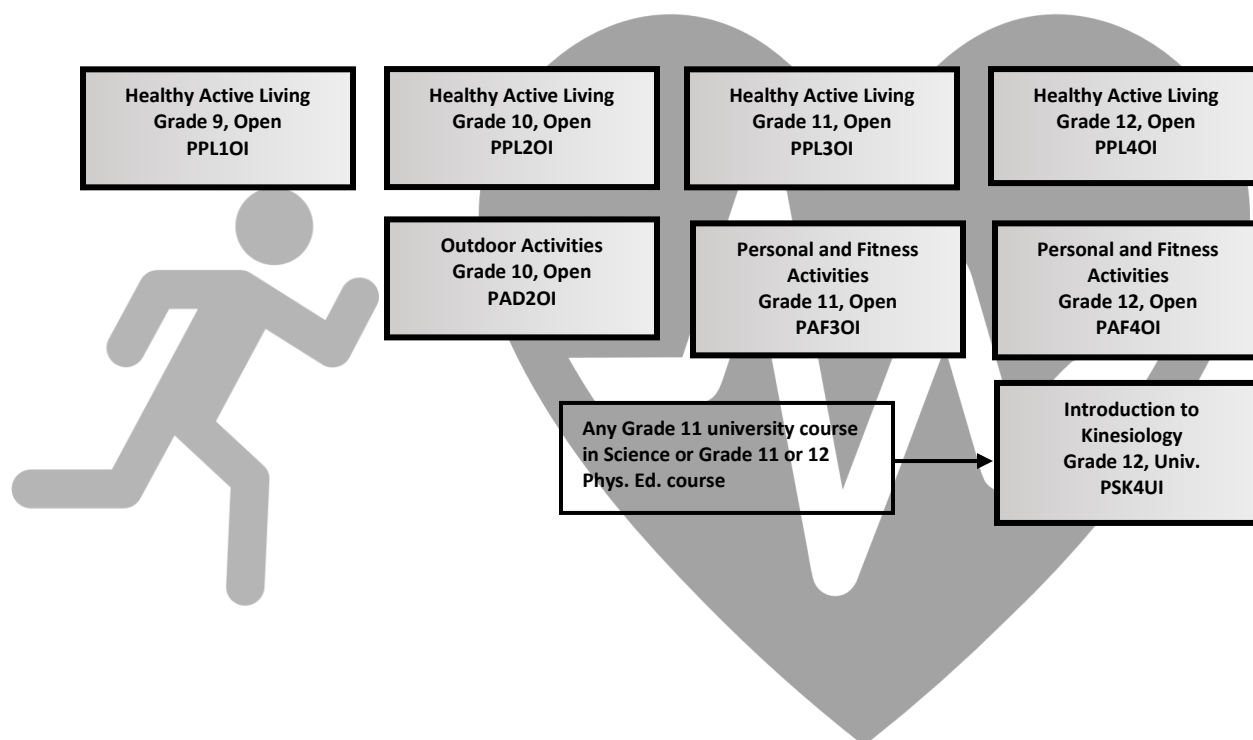
**GLE4OI     ADVANCED LEARNING STRATEGIES - SKILLS FOR SUCCESS AFTER SECONDARY SCHOOL - OPEN:** This course improves students' learning and personal-management skills, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals.  
***Prerequisite: Recommendation of Principal***

**Grade 10 Career Studies Courses:**

**GLC2OH     CAREER STUDIES - OPEN:** This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess 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 - .5 credit course must be taken with CHV2OH. See course description under Canadian and World Studies.***



# Health and Physical Education



**Dress Code for Physical Education Classes:** For health and safety reasons, students are required to wear appropriate clothing when participating in activities in the gymnasium, mezzanine, or playing field consisting of: T-shirt, sweat shirt (optional), athletic shorts (no pockets, zippers or buttons), sweat pants (optional), socks, and **running shoes**.

## Grade 9 Health and Physical Education Courses:

**PPL1OI HEALTHY ACTIVE LIVING EDUCATION - OPEN:** This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. **Prerequisite: None**

## Grade 10 Health and Physical Education Courses:

**PAD2OI OUTDOOR ACTIVITIES – OPEN:** This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles in mostly outdoor or recreational activities opposed to traditional team sports in regular physical education. Risk management will be emphasized and safety and injury prevention in the outdoor settings will be a strong component to the course. Students will investigate issues related to healthy living, and will participate in activities designed to develop goal-setting, communication, leadership and social skills. **Due to numerous off campus activities, there will be a fee for this course. Prerequisite: None**

**PPL2OI**     **HEALTHY ACTIVE LIVING EDUCATION - 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***

#### **Grade 11 Health and Physical Education Courses:**

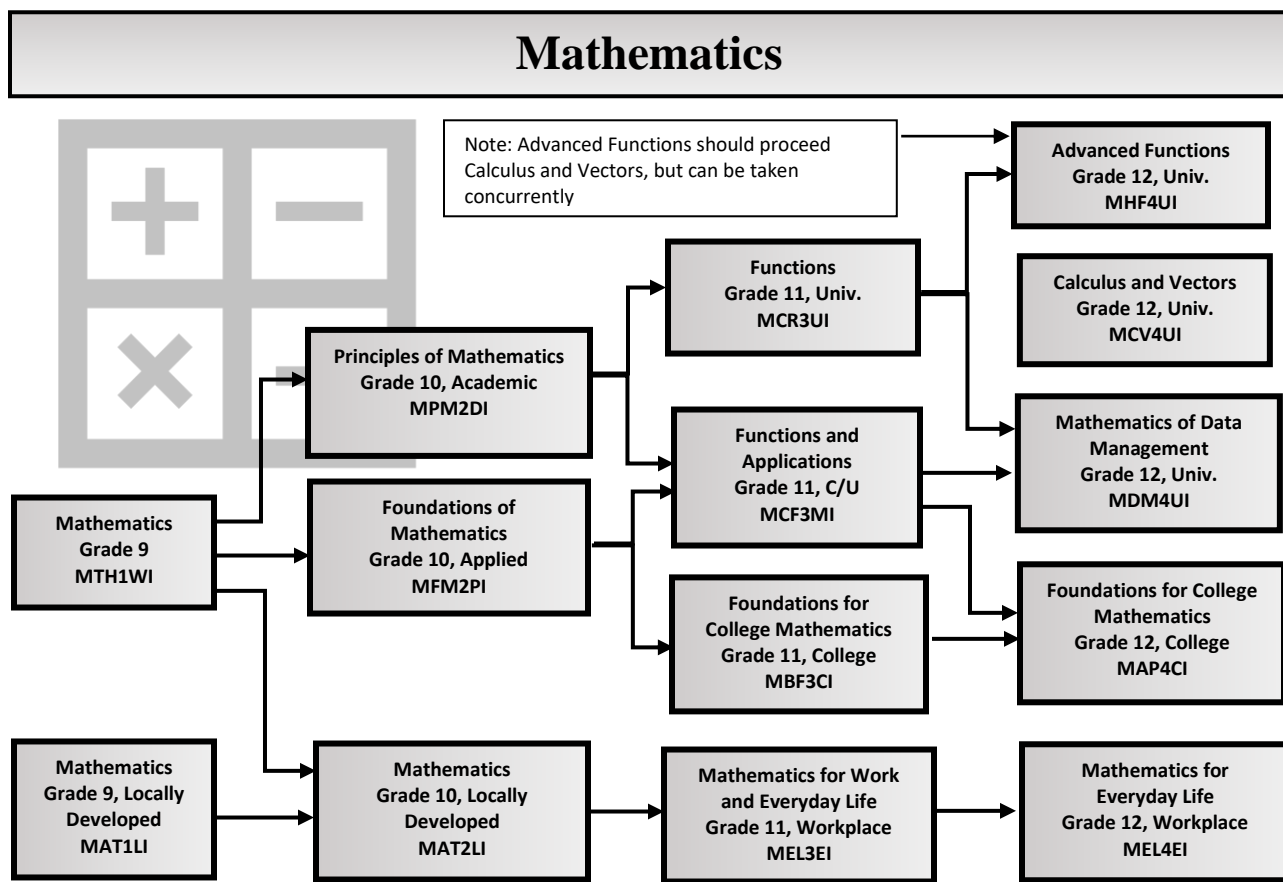
**PAF3OI**     **HEALTHY LIVING AND PERSONAL AND FITNESS ACTIVITIES - OPEN:** This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities with an emphasis on running and weight training, all of which have the potential to engage the students' interest and enhance their personal fitness throughout their lives. It differs from PPL3OI by moving away from the traditional games and activities and towards personal fitness plans, practices and activities. Students apply movement principles and develop long term personal fitness plans to enhance their personal competence and health. They are encouraged to develop leadership skills and are given opportunities to practice goal-setting, decision-making, social, and interpersonal skills. Students study fitness training principles, skeletal and muscular systems, nutrition, and sports injuries. ***Prerequisite: None***

**PPL3OI**     **HEALTHY ACTIVE LIVING EDUCATION - 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***

#### **Grade 12 Health and Physical Education Courses:**

**PAF4OI**     **HEALTHY LIVING AND PERSONAL AND FITNESS ACTIVITIES - OPEN:** This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities with an emphasis on running and weight training, all of which have the potential to engage the students' interest and enhance their personal fitness throughout their lives. that have the potential to engage the students' interest and enhance their personal fitness throughout their lives. It differs from the PPL4OI course by moving away from the traditional games and activities and towards personal fitness plans, practices and activities. Students apply movement principles and develop long term personal fitness plans to enhance their personal competence and health. They are encouraged to develop leadership skills and are given opportunities to practice goal-setting, decision-making, social, and interpersonal skills. Students study fitness training principles, skeletal and muscular systems, nutrition, and sports injuries. ***Highly Recommended: PAF3OI***

- PPL4OI**     **HEALTHY ACTIVE LIVING EDUCATION - 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***
- PSK4UI**     **INTRODUCTORY KINESIOLOGY - 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.***



## Grade 9 Mathematics Courses:

**MAT1LI Mathematics (Locally Developed Compulsory)** – This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Grade 10 Locally Developed Compulsory Course, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by 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: None**

**MTH1WI Mathematics, Grade 9** – This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and relevant real-world situations. Students will continue to enhance their mathematical reasoning skills, including proportional reasoning, spatial reasoning, and algebraic reasoning, as they solve problems and communicate their thinking. **Prerequisite: None**

## Grade 10 Mathematics Courses:

- MAT2LI MATHEMATICS – LOCALLY DEVELOPED:** This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend 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: Any Grade 9 Mathematics course.**
- MFM2PI FOUNDATIONS OF MATHEMATICS - APPLIED:** This course enables students to consolidate their understanding of linear relations 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, use real-life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. **Prerequisite: MTH1WI**
- MPM2DI PRINCIPLES OF MATHEMATICS - 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. Student will reason mathematically as they solve multi-step problems and communicate their thinking. **Prerequisite: MTH1WI**

## Grade 11 Mathematics Courses:

- MBF3CI FOUNDATIONS FOR COLLEGE MATHEMATICS - COLLEGE:** 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, investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analyzing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. **Prerequisite: MFM2PI**
- MCF3MI FUNCTIONS and APPLICATIONS - UNIVERSITY/COLLEGE:** 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: MPM2DI or MFM2PI**

**MCR3UI FUNCTIONS - UNIVERSITY:** 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:** *MPM2DI*

**MEL3EI MATHEMATICS FOR WORK AND EVERYDAY LIFE - WORKPLACE:** 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:** *MPM1DI or MFM1PI or MAT2LI*

#### **Grade 12 Mathematics Courses:**

**MAP4CI FOUNDATIONS FOR COLLEGE MATHEMATICS - COLLEGE:** This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; apply measurement in designing and constructing physical models; solve financial problems connected with home ownership; 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:** *MBF3CI or MCF3MI*

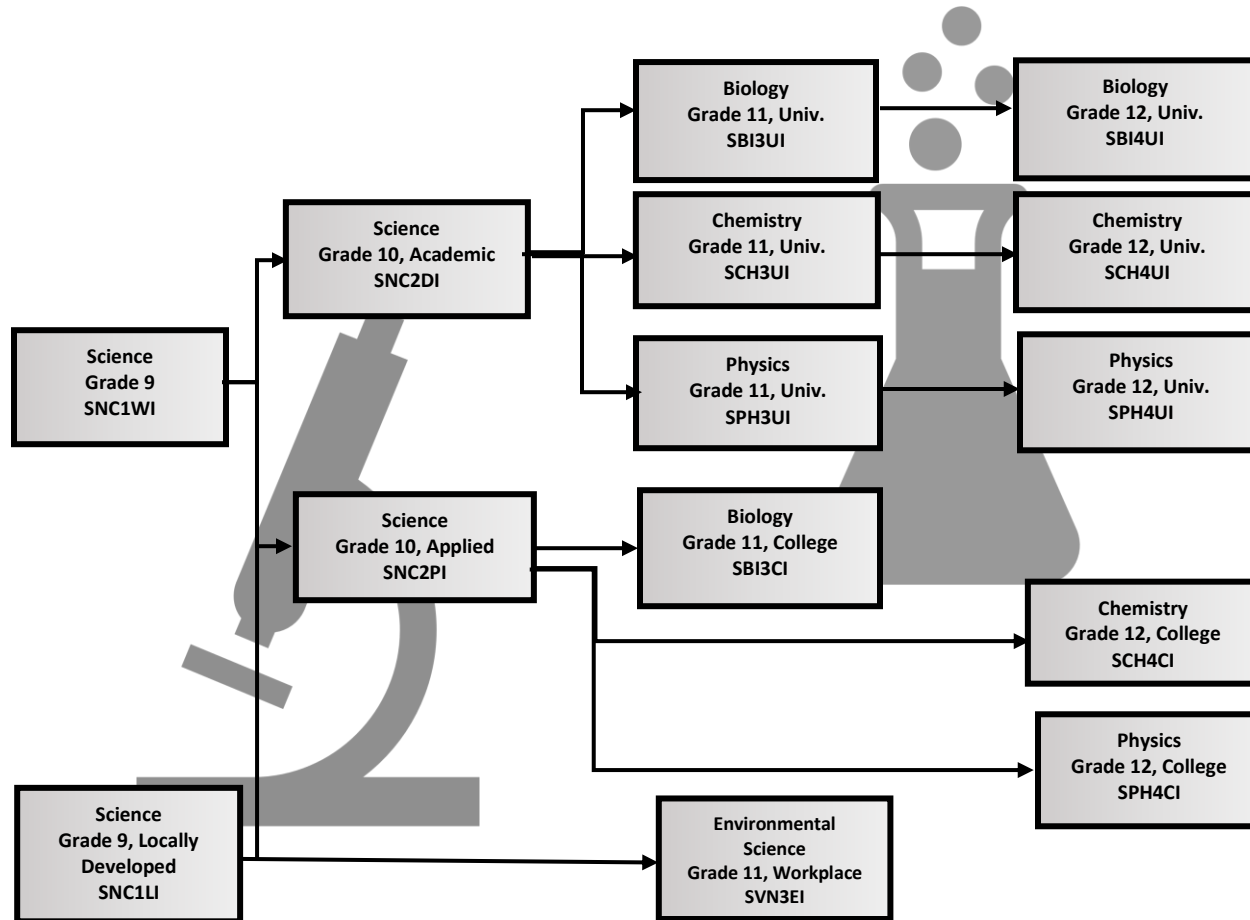
**MCT4CA MATHEMATICS FOR COLLEGE TECHNOLOGY - COLLEGE - E-LEARNING (ON-LINE):** This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, 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:** *MCF3MI or MCR3UI*

**MCV4UI CALCULUS AND VECTORS - UNIVERSITY:** This course builds on students' previous 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 modelling of real-world relationships. Students will also refine their use of 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. **Pre-/Co-requisite:** *MHF4UI*



- MDM4UI**     **MATHEMATICS OF DATA MANAGEMENT - UNIVERSITY:** This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project that integrates statistical concepts and skills. Students will also refine their use of 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:** MCF3MI or MCR3UI*
- MEL4EI**     **MATHEMATICS FOR WORK AND EVERYDAY LIFE - WORKPLACE:** 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:** MEL3EI*
- MHF4UI**     **ADVANCED FUNCTIONS - UNIVERSITY:** This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; 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:** MCR3UI or MCT4CA*

# Science



## Grade 9 Science Courses:

**SNC1LI** **SCIENCE - LOCALLY DEVELOPED:** This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking and the relationship between science, society, and the environment, to prepare students for success in everyday life, in the workplace and in the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in daily life, properties of common materials, life sustaining processes in simple and complex organisms, and electrical circuits. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities. **Prerequisite: None**

**SNC1WI** **SCIENCE – GRADE 9:** This course enables students to develop their understanding of concepts related to biology, chemistry, physics, and earth and space science, and to relate science to technology, society, and the environment. Throughout the course, students will develop and refine their STEM skills as they use scientific research, scientific experimentation, and engineering design processes to investigate concepts and apply their knowledge in situations that are relevant to their lives and communities. Students will continue to develop transferable skills as they become scientifically literate global citizens. **Prerequisite: None**

## Grade 10 Science Courses:

**SNC2DI SCIENCE - ACADEMIC:** This course enables students to enhance their understanding of concepts of biology, chemistry, earth and space science, and physics, and of the interrelationships between science, 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:** *SNC1WI*

**SNC2PI SCIENCE - APPLIED:** This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific 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:** *SNC1WI*

## Grade 11 Science Courses:

**SBI3CI BIOLOGY - COLLEGE:** This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further studies in various branches of the life sciences and related fields. **Prerequisite:** *SNC2DI or SNC2PI*

**SBI3UI BIOLOGY - UNIVERSITY:** This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. **Prerequisite:** *SNC2DI*

**SCH3UI CHEMISTRY - UNIVERSITY:** This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment. **Prerequisite:** *SNC2DI*

**SPH3UI PHYSICS - UNIVERSITY:** This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment. **Prerequisite:** *SNC2DI*

**SVN3EI ENVIRONMENTAL SCIENCE - WORKPLACE:** This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy. **Prerequisite: SNC1DI or SNC1PI or SNC1LI**

#### **Grade 12 Science Courses:**

**SBI4UI BIOLOGY - UNIVERSITY:** This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields. **Prerequisite: SBI3UI**

**SCH4CI CHEMISTRY - COLLEGE:** This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment. **Prerequisite: SNC2DI or SNC2PI**

**SCH4UI CHEMISTRY - UNIVERSITY:** This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment. **Prerequisite: SCH3UI**

**SPH4CI PHYSICS - COLLEGE:** This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment. **Prerequisite: SNC2DI or SNC2PI**

**SPH4UI**

**PHYSICS - UNIVERSITY:** This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data relating to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment. ***Prerequisite:*** ***SPH3UI***



## Social Sciences and Humanities Course Descriptions

### Social Sciences and Humanities

**Exploring Family  
Studies**  
Grade 9, Open  
HIF1OI

**Food and Nutrition**  
Grade 10, Open  
HFN2OI

**Dynamics of Human  
Relationships**  
Grade 11, Open  
HHD3OI

**Personal Life Management**  
Grade 12, Open  
HIP4OI

Any Grade 11 or 12 University, University/college course in  
Social Science and Humanities, English, or Canada and World  
Studies



**Raising Healthy Children**  
Grade 11, Open  
HPC3OI

**Equity, Diversity and Social  
Justice**  
Grade 11, Workplace  
HSE3E

**Families in Canada**  
Grade 12, University  
HHS4UI

**Philosophy: Questions and  
Theories**  
Grade 12, University  
HZT4UA  
E-Learning

**Challenge and Change in  
Society**  
Grade 12, University  
HSB4UI  
Next Offered 2024-2025

Any Grade 11 or 12 College course in Social Sciences and  
Humanities, English, or Canada and World Studies

**Equity, Diversity and Social  
Justice**  
Grade 12, University/College  
Preparation  
HSE4M

**Families in Canada**  
Grade 12, College  
HHS4CI

### **Grade 9 Social Sciences and Humanities Courses:**

**HIF1OI EXPLORING FAMILY STUDIES - OPEN:** This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources. ***Prerequisite: None***

### **Grade 10 Social Sciences and Humanities Courses:**

**HFN2OI FOOD AND NUTRITION - OPEN:** This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food preparation skills and introduces them to the use of Social Science research methods in the area of food and nutrition. ***Prerequisite: None***

### **Grade 11 Social Sciences and Humanities Courses:**

**HHD3OI DYNAMICS OF HUMAN RELATIONSHIPS - OPEN:** This course focuses on helping students understand the individual and group factors that contribute to healthy relationships. Students will examine the connections between their own self-concept and their interpersonal relationships. They will learn and practise strategies for developing and maintaining healthy relationships with friends, family, and community members, as well as with partners in intimate relationships. Students will use research and inquiry skills to investigate topics related to healthy relationships. ***Prerequisite: None***

**HPC3OI RAISING HEALTHY CHILDREN - OPEN:** This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing. ***Prerequisite: None***

**HSE3E Equity, Diversity, and Social Justice – Workplace:** This course enables students to develop an understanding of historical and contemporary issues relating to equity, diversity, and social justice in a variety of contexts. Students will explore the nature of diversity and power relations in Canada and how social norms shape individual identity. They will learn about social activism and how to address situations that involve discrimination, harassment, and denial of rights. Students will develop and

apply research skills and will design and implement a social action initiative relating to an equity, diversity, or social justice issue. ***Prerequisite: None***

## **Grade 12 Social Sciences and Humanities Courses:**

- HHS4CI FAMILIES IN CANADA - COLLEGE:** This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada. ***Prerequisite: Any university, college, or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.***
- HHS4UI FAMILIES IN CANADA - UNIVERSITY:** This course enables students to draw on sociological, psychological, and anthropological theories and research to analyze the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships. ***Prerequisite: Any university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.***
- HIP4OI PERSONAL LIFE MANAGEMENT - OPEN:** 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***
- HSB4UI CHALLENGE AND CHANGE IN SOCIETY - UNIVERSITY: COURSE CURRENTLY NOT OFFERED 2023-2024, NEXT OFFERED 2024-2025.** 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.***
- HZT4UA PHILOSOPHY: QUESTIONS AND THEORIES - UNIVERSITY - E-LEARNING (ON-LINE):** This course enables students to acquire an understanding of the nature of



philosophy and philosophical reasoning skills and to develop and apply their knowledge and skills while exploring specialized branches of philosophy (the course will cover at least three of the following branches: metaphysics, ethics, epistemology, philosophy of science, social and political philosophy, aesthetics). Students will develop critical thinking and philosophical reasoning skills as they formulate and evaluate arguments related to a variety of philosophical questions and theories. They will also develop research and inquiry skills related to the study and practice of philosophy. **Prerequisite: Any university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies**

**HSE4M Equity and Social Justice: From Theory to Practice- University/College:** This course enables students to develop an understanding of the theoretical, social, and historical underpinnings of various equity and social justice issues and to analyse strategies for bringing about positive social change. Students will learn about historical and contemporary equity and social justice issues in Canada and globally. They will explore power relations and the impact of a variety of factors on equity and social justice. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity or social justice issue. **Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies**

## Technological Studies

### EXPLORING TECHNOLOGIES

Exploring Technologies  
Grade 9, Open  
TIJ1OI

### COMMUNICATION TECHNOLOGY

Communication Technologies  
Grade 10, Open  
TGJ2OI

Consumer Design  
Grade 11, Open/U/C  
AWE3OI/3MI  
(see Arts for description)

Film Studies  
Grade 11, Open/U/C  
AWR3OI/3MI  
(see Arts for description)

### CONSTRUCTION TECHNOLOGY

Construction Technology  
Grade 10, Open  
TCJ2OI

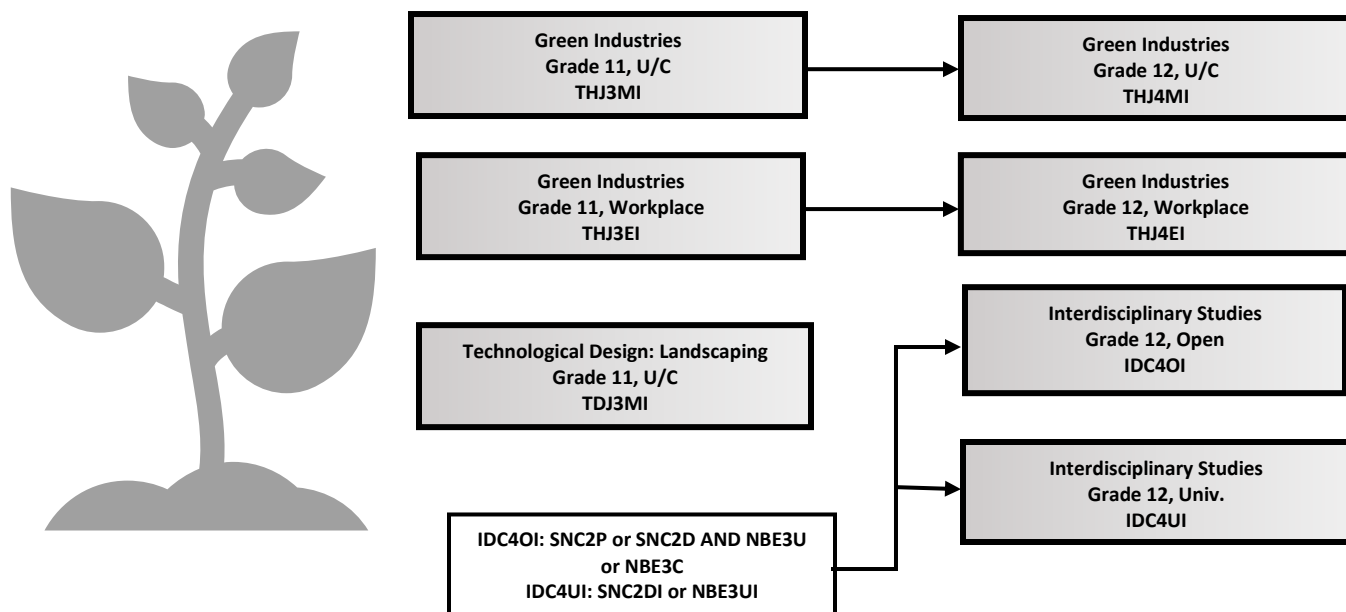
Construction Technology  
Grade 11, College  
TCJ3CI

Construction Technology  
Grade 12, College  
TCJ4CI

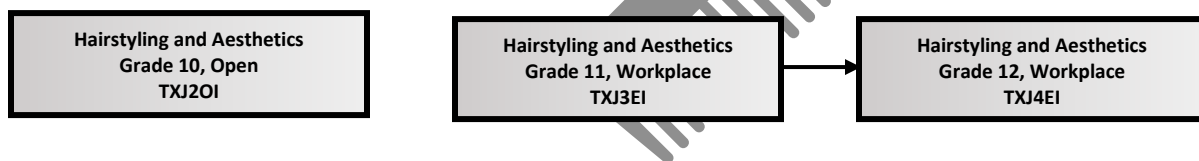
Construction Technology  
Grade 11, Workplace  
TCJ3EI

Construction Technology  
Grade 12, Workplace  
TCJ4EI

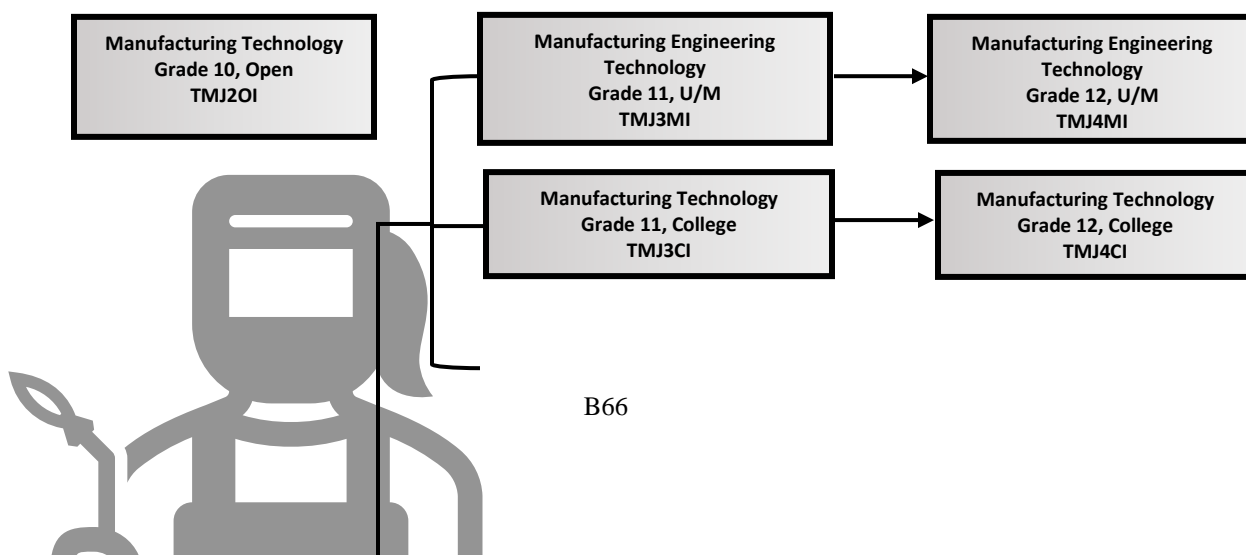
## GREEN INDUSTRIES

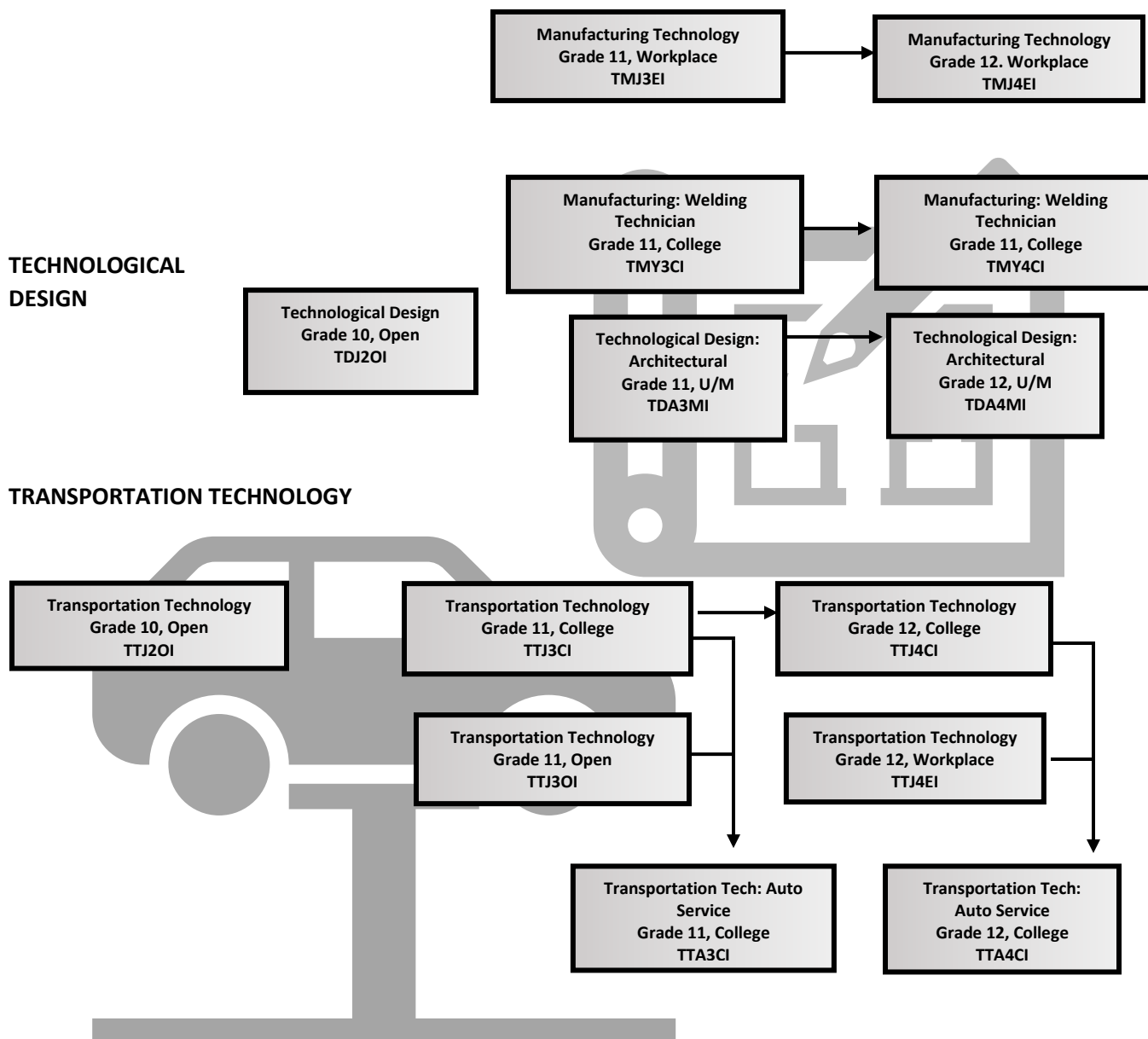


## HAIRSTYLING and AESTHETICS



## MANUFACTURING TECHNOLOGIES





### Grade 9 Technological Education Courses:

**TIJ101 EXPLORING TECHNOLOGIES - OPEN:** This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields. **Prerequisite: None**

### Grade 10 Technological Education Courses:

- TCJ2OI CONSTRUCTION TECHNOLOGY - OPEN:** This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry. ***Prerequisite: None***
- TDJ2OI TECHNOLOGICAL DESIGN - OPEN:** This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and learn about secondary and postsecondary education and training leading to careers in the field. ***Prerequisite: None***
- TGJ2OI COMMUNICATIONS TECHNOLOGY - OPEN:** This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields. ***Prerequisite: None***
- TMJ2OI MANUFACTURING TECHNOLOGY - OPEN:** This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or injection moulding. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary and postsecondary pathways leading to careers in the industry. ***Prerequisite: None***
- TTJ2OI TRANSPORTATION TECHNOLOGY - OPEN:** This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues and will explore secondary and postsecondary pathways leading to careers in the transportation industry. ***Prerequisite: None***

**TXJ2OI HAIRSTYLING AND AESTHETICS - OPEN:** This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Using materials, processes, and techniques used in the industry, students learn fundamental skills in hairstyling, giving manicures and facials, and providing hair/scalp analyses and treatments. Students will also consider related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the field of hairstyling and aesthetics. ***Prerequisite: None***

#### **Grade 11 Technological Education Courses:**

**TCJ3CI CONSTRUCTION ENGINEERING TECHNOLOGY - COLLEGE:** 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***

**TCJ3EI CONSTRUCTION TECHNOLOGY - WORKPLACE:** This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment to design, layout, 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 postsecondary and career opportunities in the field. ***Prerequisite: None***

**TDA3MI TECHNOLOGICAL DESIGN: ARCHITECTURAL DESIGN - COLLEGE/UNIVERSITY:** 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 postsecondary pathways leading to careers in the field. ***Prerequisite: None***

**TDJ3MI TECHNOLOGICAL DESIGN (LANDSCAPING) - UNIVERSITY/COLLEGE:** Through a focus on landscaping designs this course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings, and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will explore career opportunities in the field, as well as the college and/or university program requirements for them. ***Prerequisite: None***

- TDJ3OI TECHNOLOGICAL DESIGN AND THE ENVIRONMENT (LANDSCAPING) - OPEN:** Through a focus on landscaping designs 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, and/or control system design. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary pathways leading to careers in the field. ***Prerequisite: None***
- THJ3EI GREEN INDUSTRIES - WORKPLACE:** This course enables students to develop knowledge and skills related to agriculture, floristry, forestry, horticulture, and landscaping. Students will learn to identify a broad range of plant and animal species; examine factors that affect the growth of plants and animals and the quality of products derived from them; and develop process, design, and maintenance skills required in the green industries. Students will also learn about safe and healthy working practices, develop an awareness of environmental and societal issues related to green industry activities, and learn about apprenticeships and other postsecondary education and training opportunities, as well as employment opportunities that may be pursued directly after graduation. ***Prerequisite: None***
- THJ3MI GREEN INDUSTRIES - UNIVERSITY/COLLEGE:** This course enables students to develop knowledge and skills related to agriculture, forestry, horticulture, and landscaping. Students will study the identification, growth, and management of plants and animals and develop process, design, and management skills required in the green industries. Students will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore postsecondary education programs and career opportunities. ***Prerequisite: None***
- TMJ3CI MANUFACTURING TECHNOLOGY - COLLEGE:** 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***
- TMJ3EI MANUFACTURING TECHNOLOGY - WORKPLACE:** This hands-on, project-based course is designed for students planning to enter an occupation or apprenticeship in manufacturing directly after graduation. Students will work on a variety of manufacturing projects, developing knowledge and skills in design, fabrication, and problem solving and using tools and equipment such as 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***
- TMJ3MI MANUFACTURING ENGINEERING TECHNOLOGY - UNIVERSITY/COLLEGE:** This course enables students to develop knowledge and skills related to design, process

planning, control systems, and quality assurance. Students will use a broad range of tools and equipment and will combine modern manufacturing techniques and processes with computer-aided manufacturing as they develop critical decision-making, problem-solving, and project-management skills. 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**  
**Recommended: TMJ2OI**

**TMY3CI MANUFACTURING TECHNOLOGY – WELDING TECHNICIAN - COLLEGE:** 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: TMJ3CI**

**TPJ3MI HEALTH CARE – UNIVERSITY/COLLEGE:** This course enables students to develop their understanding of basic health care procedures, including the safe use of appropriate instruments, equipment, and materials. Students will focus on health care fundamentals, including the anatomical features and physiology of the major body systems and the factors that affect homeostasis in the human body. Students will develop an awareness of health and safety issues in the health care field, analyse environmental and societal issues related to health care, and learn about professional practice standards and career opportunities in the field. **Prerequisite: None**

**TTA3CI TRANSPORTATION TECHNOLOGY - AUTO SERVICE - COLLEGE - EMPHASIS COURSE:** 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**

**TTJ3CI TRANSPORTATION TECHNOLOGY - COLLEGE:** This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, 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**

**TTJ3OI TRANSPORTATION TECHNOLOGY - VEHICLE OWNERSHIP - OPEN COURSE:** This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle

owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry. **Prerequisite: None**

**TXJ3EI      HAIRSTYLING AND AESTHETICS - WORKPLACE:** This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and clients. Students consider environmental and societal issues related to the industry and acquire a more detailed knowledge of apprenticeships and direct-entry work positions. **Prerequisite: None**

#### **Grade 12 Technological Education Courses:**

**IDC4OI      INTERDISCIPLINARY STUDIES (HORTICULTURE and LANDSCAPING) - OPEN:** This course enables the students to develop and apply the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, identify personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to identify and to apply to real-life situations and career opportunities in interdisciplinary activities. They will research, assess appropriate resources, interpret information, solve and implement solutions to landscaping design problems. Students will design and install a group horticulture/landscape project. This course combines the expectations for Interdisciplinary Studies, Grade 12 Open, with selected expectations from the following two component courses: SBI3CI and ENG4CI. **Prerequisite: SNC2DI or SNC2PI and NBE3UI or NBE3CI**

**IDC4UI      INTERDISCIPLINARY STUDIES (HORTICULTURE and LANDSCAPING) - UNIVERSITY:** This course will help students to develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to analyse and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will research, assess appropriate resources, process information, solve and implement solutions to landscaping design problems. Students will design and install a group horticulture/landscape project. This course combines the expectations for Interdisciplinary Studies, Grade 12 University, with selected expectations from the following two component courses: SBI3UI, and ENG4UI. **Prerequisite: SNC2DI or NBE3UI**

**TCJ4CI      CONSTRUCTION ENGINEERING TECHNOLOGY - COLLEGE:** 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: TCJ3CI***

**TCJ4EI CONSTRUCTION TECHNOLOGY - WORKPLACE:** This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands on experience using a variety of materials, processes, tools, and equipment; create and interpret construction drawings; and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues related to construction technology and explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation. ***Prerequisite: TCJ3EI***

**TDA4MI TECHNOLOGICAL DESIGN: ARCHITECTURAL DESIGN - COLLEGE/UNIVERSITY:** This course focuses on the relationship between society and technological development. Students will use appropriate tools, techniques, and strategies to research, design, build, and assess prototypes for products and/or processes that respond to society's changing needs. Students will describe how social factors, including culture, media, politics, religion, and environmental concerns, influence technological design. Students will also learn about professional practices in the field, and will research postsecondary pathways leading to careers related to technological design. ***Prerequisite: TDA3MI***

**THJ4EI GREEN INDUSTRIES - WORKPLACE:** This course enables students to gain further experience with a variety of industry procedures and operations and to acquire additional industry-specific skills. Students will study more complex processes, develop more advanced design and maintenance skills, and explore ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities in the various industries. The knowledge and skills acquired in this course will prepare students for the workplace and apprenticeship training. ***Prerequisite: THJ3EI***

**THJ4MI GREEN INDUSTRIES - UNIVERSITY/COLLEGE:** This course focuses on more complex concepts and skills related to the green industries. Students will focus on developing process skills, design and management techniques, and ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities. The knowledge and skills acquired in this course will prepare students for more specialized studies at the college and university level. ***Prerequisite: THJ3MI***

**TMJ4CI MANUFACTURING TECHNOLOGY - COLLEGE:** 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: TMJ3CI**

**TMJ4EI MANUFACTURING TECHNOLOGY - WORKPLACE:** This project-driven, hands-on course builds on students' experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of 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: TMJ3EI**

**TMJ4MI MANUFACTURING ENGINEERING TECHNOLOGY - UNIVERSITY/COLLEGE:** This course enables students to further develop knowledge and skills related to design, process planning, control systems, project management, quality assurance, and business operations. Students will use a broad range of tools and equipment, enhance their skills in computer-aided design, and collaborate in managing a project. Students will critically analyse and solve complex problems involved in manufacturing products. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry. **Prerequisite: TMJ3MI**

**TMY4CI MANUFACTURING TECHNOLOGY – WELDING TECHNICIAN - COLLEGE:** 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: TMY3CI**

**TPJ4EI HEALTH CARE SUPPRT SERVICES – WORKPLACE PREPARATION:** This course enables students to develop the basic skills needed for careers in a range of health care support services. Students will practise and apply a variety of clinical procedures and infection control skills as they learn about principles of infection control, service excellence, and the nature of the health care industry. Students will also investigate workers' health and safety issues, environmental and societal issues related to health care, and career opportunities in the field. **Prerequisite: None**

**TTA4CI TRANSPORTATION TECHNOLOGY - AUTO SERVICE - EMPHASIS OPTION - COLLEGE:** 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: TTJ3CI or TTJ3OI***

**TTJ4CI**      **TRANSPORTATION TECHNOLOGY - COLLEGE:** 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: TTJ3CI***

**TTJ4EI**      **TRANSPORTATION TECHNOLOGY - VEHICLE MAINTENANCE - WORKPLACE:** 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. ***Highly Recommended: TTJ3CI or TTJ3OI***

**TXJ4EI**      **HAIRSTYLING AND AESTHETICS - WORKPLACE** This course enables students to develop increased proficiency in a wide range of hairstyling and aesthetics services. Working in a salon/spa team environment, students will strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students will also expand their understanding of environmental and societal issues and their knowledge of postsecondary destinations in the hairstyling and aesthetics industry. ***Prerequisite: TXJ3EI***

