

**MONTCALM SECONDARY SCHOOL
 COURSE CALENDAR 2019-2020
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SCHOOL GOALS AND PHILOSOPHY

Philosophy: *At Montcalm Secondary School we believe in human dignity, commitment to individualized learning and education for life.*

Vision Statement: *To have the best possible learning environment, every member of our school community will respect the basic rights and dignity of staff and students.*



RESPECT

- ✓ For oneself: hygiene, health, dress, personal values
- ✓ For authority: interactions with all staff members; follow rules and laws
- ✓ For others: courtesy, consideration, communication, positive relationships
- ✓ For property: school and personal

RIGHTS

- ✓ To be shown respect
- ✓ To get an education
- ✓ To receive help from staff for academic, career and personal issues
- ✓ To feel safe and free from harassment
- ✓ To have an equal opportunity to be involved in school programs and activities
- ✓ To receive fair discipline when necessary

RESPONSIBILITIES

- ✓ Be the best student that you can be
- ✓ Be punctual and attend regularly
- ✓ Be responsible for completing all work
- ✓ Be attentive and participate in classes
- ✓ Know and obey school rules
- ✓ Exercise self-discipline

REGISTRATION INFORMATION

1. Students should consult with teachers, counsellors, and other students before making decisions regarding course selection. REGISTRATION IS YOUR RESPONSIBILITY.

2. Courses must be selected carefully. Know the diploma requirements. Review your Credit Counselling Summary to determine what courses you have and still need.

*The master schedule for the school is created from the courses you select now!

3. Students in Grades 10 and 11 must choose eight (8) courses (4 per semester). Students in grade 12 (i.e. who have completed at least 24 credits) are required to take a minimum of six (6) courses. All students should select two alternative courses in case some of their selections cannot be scheduled. Once students have made their initial course selections from their student portal, they should print a copy and sign it and also have parents sign it. Semester II homeroom teachers will be collecting course selection forms.

4. Students who wish to change from one course level to another must obtain the necessary *Prerequisite* for the course they want to pick up. This may be done by taking the course at day school, night school, virtual academy or summer school.

5. Students wishing to attend a school other than their home school must register before Feb 15, 2019 and will be required to provide their own transportation. Students who choose to attend another secondary school under the free choice of schools policy will be obligated to remain at that school for the entire school year. If you plan to transfer, you should speak to your guidance counsellor about the procedures. Transferring schools may affect athletic eligibility.

6. PLAR - Prior Learning Assessment

Students may receive a credit without taking a course, if they can demonstrate that they have the skills and knowledge from prior learning to meet the expectations for the course as set out in the provincial curriculum. Students will be assessed through the new Prior Learning Assessment and Recognition (PLAR) process. Assessment instruments must include formal tests and other methods of evaluation appropriate to the subject. Students may obtain a maximum of four credits for grade 10, 11 and 12 courses through this process; with no more than two in one subject area. Through the PLAR process, students may also be granted equivalent credits for course work completed outside Ontario. *The letter of intent is due to the Principal by the end of November with completed applications due to the board office by mid December.*

7. Student Activity Fees: Students are expected to purchase a Montcalm Student Card by paying the Student Activity Fee. Students involved in co-instructional teams, groups and clubs will be made aware of any additional fund-raising obligations or participation fees prior to making a commitment to participate.

8. Students are expected to come to school ready and willing to participate actively in their own learning. To that end, students are expected to bring materials with them for their own personal note taking (e.g., pencils, pens, paper, and binder). Students are expected, if they are taking physical education, to wear appropriate attire such as shorts, t-shirt and running shoes in order to ensure that active participation is possible.

Access to Course Outlines

Course outlines are distributed to students during the first week of classes. Copies of course outlines are also available on the Montcalm website or in department binders in the main office.

Access to Curriculum Policy Documents

All curriculum policy documents are available at the Ontario Ministry of Education website: <http://www.edu.gov.on.ca> or through the Principal.

ATTENDANCE PROCEDURES

Regular attendance is vital for student success. Each student has to report to class on time and provide a reasonable excuse via a written note or call to the attendance line (parental note or call required for students under 18) when late or absent. There will be consequences assigned when that does not take place. Parents with an email address will have access to the Parent Portal to monitor their sons or daughters daily attendance. Thank you for your continued diligence in reporting your child's absences so that we can work together to ensure student safety.

To report your student's absence:

Phone:

1-844-305-3756

Internet: <https://go.schoolmessenger.ca>**Smartphone:**

App store: SchoolMessenger

Google Play: SchoolMessenger

This system allows parents/guardians to report student absences by phone, website, or smartphone app. In the event of an unexplained student absence, the system is able to communicate with parents/guardians in a timely manner for student safety reasons.

A. Accessing the Reporting System by Phone

Parents/guardians who do not use a computer will be able to interact with the system by calling toll free 1-844-305-3756 to report their child's absence.

B. Accessing the Reporting System through the Internet

Use the following web address go.schoolmessenger.ca (please add to your bookmarks or favourites). This address will take parents/guardians to the Thames Valley District School Board's "SchoolMessenger" login page. Login information will be forwarded to parents who have shared an email address during the completion of the student registration process with their school. We encourage parents who have not provided their email address to their child's school to do so as soon as possible.

Parents/guardians who do not have an email address and have a cell phone will be able to create login accounts by going to the web address <https://go.schoolmessenger.ca>. On the login page, click on the 'Don't have login?' link and follow the instructions.

Parents/guardians will also be able to access the Thames Valley District School Board's "SchoolMessenger" login page by going to your school's website and under "Parents" click the "Attendance Reporting" link.

C. Accessing the Reporting System through your SMARTPHONE

You must first authenticate your web account in order to use one of the following apps:

- App Store: SchoolMessenger
- Google Play: SchoolMessenger

When reporting an absence, please select one of the categories listed below:

- Absence
- Late
- Sign Out

Once a category is selected you will be presented with the reason codes associated with that category at which time you will be able to make the appropriate reason code selection.

Note that parents/guardians are still required to personally sign their elementary child in/out at the school office for a late arrival or early departure.

D. School Response

1. When a parent/guardian informs the school of a student absence, SchoolMessenger will record the reason for the absence. The parent/guardian will receive confirmation of the student's absence via text message or email as established in the SchoolMessenger Portal (see Section B above) thus preventing unauthorized absences from being reported.
2. If a student is absent for an unknown reason, the parent(s)/guardian(s) will receive an automated communication via phone (cell and home numbers only) and/or email/text informing him/her of the student's absence. The system will contact homes at the beginning of the school day and after each nutritional break if the student is absent for an unknown reason. The parent may then indicate the reason for the absence through the automated system if this communication was an oversight. It is very important that the parent/guardian listen to the entire message as the absence reason must be entered and then confirmed by receiving a confirmation number. Once a confirmation number is issued *all* phone calling will stop. If the parent/guardian believes that the child should be at school, he/she must contact the school directly to discuss student safety.
3. If the system does not receive a response from a parent/guardian, the school secretary will contact the parent(s)/guardian(s)/emergency contact(s) using all available contact numbers.

Need to sign out during the school day?

Sick - If a student is leaving the school due to illness, they need to come to the Attendance Office so we can contact a parent.

Appointment - If a student is to be excused for an appointment, please have them bring a note to the Attendance Office for a demit slip.

Late - If a student is arriving to class late, they need to come to the Attendance Office for a late slip.

[Parent Portal](#) – Don't forget to register for the parent portal so you can view your student's attendance on-line.

Incorrect Absence – Please call the school (519-452-2730) or email montcalm@tvdsb.ca so follow-up with the teacher can be made to make any corrections.

Correct Contact Information – Have you kept us up to date? Moving, new phone or cell number? Please ensure we have the correct home phone number, emergency information for contacts, mailing address and phone numbers so we can contact you if your student is ill or absent.

ACADEMIC ADVANCEMENT FOR SENIOR STUDENTS

ADVANCED PLACEMENT EXAMS

Advanced Placement enables students to pursue college-university courses while still in high school. Over 3300 universities recognize AP exam results. Students who are academically capable, and have excellent attendance and good time management skills are candidates to write AP exams. Montcalm provides preparation for the Biology and Calculus exams.

High school students may write AP exams in their senior years, and upon successful completion of the exam in May, may be granted advanced standing or credit for university courses. Students pay a fee of \$89.00 to write the examination, and results are available by the beginning of July. These exams are developed and scored by college and university faculty members, as well as experienced AP teachers. AP exams are an essential part of the AP experience; enabling students to demonstrate their mastery of course work. Research consistently shows that students who score a 3 or higher typically experience greater academic success in university and have higher graduation rates than their non-AP student peers. For more information go to www.ap.ca/

Western's Initiative for Scholarly Excellence (WISE): Tuition Free University Course!

High achieving senior students may be eligible to take one university course which is tuition free from the University of Western Ontario at the same time as high school courses.

To qualify a student will have completed one or more Grade 12 U or M credits and have a minimum overall 80% in grades 10, 11 and 12 **OR** have not completed any Grade 12 U or M credits, but have a minimum overall 85% average in grades 10 & 11.

Students are encouraged to apply well before the June 1, 2013 deadline due to the competitive nature of the program.

For more information go to http://success.uwo.ca/scholars/westerns_initiative_for_scholarly_excellence/

PSAT

Students in **Grade 10** will have an opportunity to write the Preliminary SAT (PSAT) test in October. The PSAT will be an indicator for highly academic students to pursue Advanced Placement courses, or write the SAT test for entrance to US colleges and universities.

Dual Credits

What is it?

Students participate in college level courses earning dual credits. One of the dual credits counts towards their high school diploma, the other credit will be on a college transcript.

Who is it for?

Grade 12 students who want learning opportunities outside of High School, students who are behind in credits or students who would benefit from a level one apprenticeship experience at college.

How does it work?

Students carry a full timetable at Montcalm (3 or 4 classes per semester) while attending one or two courses at an approved community college. Students are currently registering to take a dual credit programs at Fanshawe College or Lambton College in Sarnia, Ontario. There is no cost to the student and transportation is

For more information

See your guidance counsellor, or log on to <http://www.tvdsb.ca/Destinations.cfm?subpage=134274>

ACHIEVEMENT AND AWARDS

Ontario Scholars Award is awarded by the government to graduating students who attain an aggregate sum of 480 marks in 6 Grade 12 courses.

Subject Award Winners are students in each grade and in each separate course who have the highest final average in the course.

Proficiency Awards are given to one student in each of grades 9, 10, 11 and 12 who have the highest average over 8 subjects (seven subjects for grade 12) taken in one year.

Honour Roll is earned by students in grades 9, 10, 11 and 12 who have an overall average of 80% in 8 courses (six for grade 12). Students must have a minimum of 65% in ALL courses to be eligible.

SCHOOL TO WORK TRANSITION OPTIONS

Work Internship

Cooperative Education

OYAP

Apprenticeship

Work Internship

Through Thames Valley's work internship programs, students have the opportunity to obtain the skills they need for direct entry into the workforce after they leave high school. Work internship combines industry training with an individualized school program to prepare students for their chosen career. The program is structured so students experience personal success, and leave high school with the pride and confidence of a well-prepared worker. Instead of focusing on academics within the traditional classroom, students get to take advantage of hands-on experience in the workplace. Hundreds of community partners across the valley provide students with work opportunities throughout the year. Students learn vital employability skills and often acquire letters of recommendation, part-time employment, and a network of workplace contacts.

At Montcalm, the work internship program is called CARE: Cougars Accessing Routes to Employment. Students will enroll in a four credit package that will take place all in one semester. Four credits will be earned, including three Co-operative Education credits and a grade 12 guidance course called Navigating the Workplace.

Students in both the work internship and co-operative education programs will have the opportunity to earn school, industry and district related certifications as well as the OSSD or the OSSC.

OYAP (Ontario Youth Apprenticeship Program)

Grade 12 students can apply to participate in a variety of Tech programs that are offered in partnership by TVDSB through Fanshawe and Lambton Colleges. Students attend Montcalm for Semester 1 of Grade 12, and participate in Co-op work placement programming at Fanshawe or Lambton College for Semester 2 of Grade 12. Students must take coop second semester and apply to the OYAP program through guidance. Opportunities are available in Transportation Technology, Electrical, General Machining, Welding, and Hairstyling and Aesthetics. The program is a great starting point to apprenticeship opportunities working toward Level 1 accreditation.

Where can I get more information? Guidance Counsellor

TECHNOLOGY EMPHASIS AT MONTCALM

What is Tech Emphasis?

The initiative by the TVDSB is to enable our students to access programs that will encourage and promote technological advances in future job markets. Montcalm has undergone a multi-million dollar expansion and is excited to be included in this plan, and as of September 2014, the school has been fully renovated with the latest technology and equipment for these programs. Montcalm will be fully wireless and is seen as one of the most innovative schools in London.

How does this create opportunities for Montcalm students?

Montcalm will remain a comprehensive school offering courses at every level to accommodate pathways to University, College, Apprenticeships, and the Workplace. The new course offerings will give students the unique opportunity to gain both the analytical academic skills AND the practical real life application skills to be successful in a variety of careers such as medicine, nursing, engineering, and business. Montcalm students will have a distinct advantage as they enter post-secondary education opportunities, because of these programs.

Who is it for?

The new Technology courses are designed to provide a practical component to a student's overall education. It can be seen as a compliment to other courses, an opportunity to learn a skill otherwise not available, or as post-secondary preparation. These courses are for everybody!

What are the benefits?

Students enrolled in these courses will have access to some of the most innovative and cutting edge technology available in the industry. The practical curriculum will enhance the educational experience and give the students a leg up on the competition after high school. All Tech courses are taught by a teacher with direct experience and career related knowledge in the area they teach. Taking a technology course will be a great addition to any student's education.

What do we offer?

Montcalm is offering courses in a variety of disciplines including Health Care, Manufacturing, Green Industries, Communications Technology, Hospitality and Tourism, Hairstyling and Aesthetics Transportation Technology, and Construction. Courses are offered at the Open level in Grade 10 and at the College/University levels in Grade 11 and 12.



AVIATION

Montcalm will be running an Aviation program during the second semester of 2019-20. The program will consist of a four credit bundle that students will complete throughout the entire semester. Students in this program will be given a tremendous opportunity to learn about the aviation industry from a technical, historical and scientific perspective. The program will run in conjunction with Fanshawe College and will allow students access to some of the leading equipment and facilities in Canada, including the Fanshawe Hanger, the Jet Aircraft Museum and the London International Airport. This program is ONLY offered at Montcalm and is entered through an application process and is open to students across Thames Valley District School Board.

Students will earn the following credits as part of their four credit bundle:

Grade 10 Canadian History (CHC 2D/PA)
Grade 10 Science (SNC 2D/PA)
Grade 10 Transportation Technology (TTJ 20A)
Grade 10 Design Technology (TDJ 20A)

CHC2D/PA - Canadian History since World War I Grade 10, Academic/Applied
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

SNC2D/PA – General Science Grade 10, Academic/Applied
This course enables students to enhance their understanding of concepts in 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:* Science, Grade 9, academic or Applied.

TTJ20A - Transportation Technology Grade 10, Open
This course introduces students to the service and maintenance of vehicles, aircraft, and/or water craft. 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

TDJ20A - Design Technology Grade 10, Open
This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field.

SPECIALIST HIGH SKILLS MAJOR AT MONTCALM

Montcalm offers Specialist High Skills Majors in ***Business, Hospitality and Tourism, and Transportation***. A SHSM is a ministry-approved specialized program that allows students to focus their learning on a specific economic sector while meeting the requirements to graduate from secondary school. It also assists in their transition after graduation to university, college, apprenticeship training, or the workplace.

Each Specialist High Skills Major consists of five required components:

- a defined bundle of 8 to 10 Grade 11 and Grade 12 credits
- sector-recognized certifications and training courses and programs
- experiential learning activities and career exploration within the sector
- “reach ahead” learning experiences connected with the student’s postsecondary plans
- development of the Essential Skills and work habits required in the sector, recorded using the tools in the Ontario Skills Passport (OSP)

Students must successfully complete all the required components in order to earn the SHSM “Red Seal” designation on their diploma. In addition, students receive an “SHSM Record” which outlines their achievement of the five required components. **For more information, go to: <http://www.edu.gov.on.ca/morestudentsuccess/SHSM.html>**

INTERNATIONAL CERTIFICATE PROGRAM (ICP)

The International Certificate Program is an exciting new program that provides high school students with the opportunity to become engaged global citizens, learn about the world, and develop inter-cultural competency skills to prepare for the future. There are 5 components to the program. Students earn the certificate by:

- * studying an international language,
- * participating in various intercultural workshops,
- * exploring global issues in classes that have an international focus,
- * participating in international engagement either locally or abroad, and
- * presenting their reflection portfolio.

A teacher advisor at the school helps to support the ICP students and track their progress in their program as they engage in workshops, and international learning opportunities. Students will receive the TVDSB International Certificate Program certification in grade 12 upon successful completion of the required components. Contact Mrs. Charlton for more information and to register for 2019/ 2020.

SCHOOL SUPPORT SERVICES

Computer Labs

Montcalm offers its students access to more than 300 computers housed in 9 labs in various locations throughout the school.

Library Learning Commons

The Library Learning Commons is open every school day from 8:00 am until 2:30 pm. Areas are available for class activities, group work, computer use and independent study. Students will need to bring student ID cards to borrow materials.

Public Health Nurse

The Public Health Nurse is in the school once a week for students and staff to see about any health issue. Students can come to the Guidance office to request an appointment. All discussions are confidential.

School Psychometrist

A TVDSB psychologist is available at Montcalm once a week to consult regarding students with learning, behavioural or emotional concerns. Referrals are made via school administration, resource or guidance staff. Services are primarily consultative, and may involve assessment and/or brief intervention with appropriate community follow-up where necessary.

School Social Worker

A TVDSB Social Worker is at Montcalm on a full time basis to assist students in dealing with emotional and academic issues. The social work office is located in guidance and referrals can be made through guidance, student success and resource.

Attendance and Social Support Counsellor

A TVDSB Attendance and Social Support Counsellor is available three days per week at Montcalm to help students with significant attendance and social-emotional concerns. Referrals can be made through administration, guidance, student success, and resource.

Learning Resource Program

Hearing Resource Program

Montcalm is the TVDSB's designated site for a secondary Hearing-Resource learning support program. Identified students have access to intensive resource support. Hearing Resource staff assist students in the development of coping strategies and self-advocacy skills, as well as supporting students with individual academic and learning challenges. Students are selected for this program by means of the elementary IPRC process. The application process is conducted through TVDSB.

Program for Developmentally Challenged Students (DC)

Montcalm's program for developmentally challenged students consists of four self-contained classes. Students' programs are individualized, with a focus on life skills and work experience. Students are selected for this program by means of the elementary IPRC process. The application process is conducted through TVDSB.

Resource Monitoring

Students who are on an Individual Education Plan will receive Resource monitoring support. This support includes an introduction and welcome to Montcalm, check-ins after the reporting periods (i.e. mid-terms), assistance with course selection and post-secondary planning. Academic support is also provided for students in the Learning Resource Centre.

General Learning Strategies - GLE1/2/3/401 = 1.0 Credit

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, communication, and organizational skills. This course will increase students' confidence, motivation, and ability to learn. Students in this course must be on an Individual Education Plan.

Resource Withdrawal Period - Non-Credit

This option provides additional support to students so they may be successful in their other courses. Students will have one period in which to work on material from other courses and obtain assistance from Learning Resource staff.

SEAC Mandate and Rules

Ontario School Boards are required to establish a Special Education Advisory Committee (SEAC). This committee includes trustees and representatives are from local parent associations. These representatives serve as advocates for children and parents, and the associations have useful parent resources.

Here are just some of the agencies in the Thames Valley District School Board area that may become involved:

Big Brothers/Big Sisters Association	FEMAP
Canadian Mental Health Association	Hearing Assessment Services
Canadian National Institute for the Blind (CNIB)	John Howard Society
Child Life	Learning Disability Association of London and Middlesex
Child and Family Counselling Centre	London Intercommunity Health Centre
Child and Parent Research Institute (CPRI)	LUSO
Children's Aid Society	Madame Vanier Children's Services
Community Care Access Centre	PEP
Developmental Services	Thames Valley Children's Centre
Family and Children's Services	Thames Valley Addiction Services
Family Violence Counselling Program	Victim Witness Assistance Program
Family Physicians	Women's Emergency Centre

How to Access Parent Guide for Special Education Policies and Procedures

The Parents Guide is available in Montcalm's Learning Resource Centre, Room 202.

Access to the TVDSB Special Education Policies and Procedures can also be found on the web site at:

<http://www.tvdsb.ca/programs.cfm?subpage=46>

COMMUNITY SUPPORT SERVICES AVAILABLE IN THE MONTCALM AREA

Inter Community Health

The London Inter Community Health Centre (LIHC) provides health and social services in a welcoming setting to those who experience barriers to care. These barriers may include poverty, homelessness, language or culture, and complex and/or chronic health conditions including mental health and addictions.

At LIHC there are four Youth Outreach Workers that work with youth between the ages of 12-21 who reside or attend school in Northeast London. Their main aim as a team is to increase youth's access to opportunities and support them with the journey. They connect youth to a wide range of opportunities such as basic needs, leadership prospects, recreational activities, employment, housing, etc. The team also provides information on relevant programs, services and resources, and they guide youth through the various processes involved with accessing these services.

Referrals to the Youth Outreach Workers and LIHC can be made through guidance, student success, and resource.

LUSO

LUSO Community Services is a provider of community social services with a holistic approach to community development. They provide programs and services in the London community for children, youth, families and seniors of culturally diverse and ethnic backgrounds. For more information please call 519-452-1466 or email luso@lusocentre.org.

SWIS

The Settlement Workers in Schools (SWIS) program places settlement workers from community agencies in elementary and secondary schools that have high numbers of newcomer students. The goal is to help the newcomer youth and their families to integrate successfully into Canadian society. The Settlement Worker assists the families with such things as, obtaining Social Insurance Number, OHIP Card, Driver's License, Canada Child Tax Benefit, Housing, Family Physician, Dentist, and referral to professionals in the school and the community. Contact information for SWIS workers can be obtained through LUSO Services at 519-452-1466 or luso@lusocentre.org

JOHN HOWARD SOCIETY

The John Howard Society provides Montcalm with a social worker that will be at Montcalm one day a week to meet with students that are looking for assistance in support through an external agency. Referrals can be made through guidance, administration school support counsellor, student success and resource.

GUIDANCE AND CAREER EDUCATION PROGRAM

Guidance counsellors are available to offer the following services to meet the needs of our students:

Educational Planning

- Course Selection
- OSSD and OSS Diploma Requirements
- College/University Information Workshops
- Scholarships/Bursaries/OSAP
- AP courses, W.I.S.E., PSAT
- Night School/Summer School/Virtual Academy
- Post Secondary Options/SAT Testing
- School to Work Opportunities
- Tutors
- Study Skills

Career Planning

- Career Centre Activities and Program (taught to all students)
- Interest Testing and Self-Assessment
- Changing trends in education and work
- Where the jobs are

Personal Concerns

- Individual personal counseling
- Referrals to support staff and outside agencies
- Computer Programs
- Labour market information
- Job Search Skills
- My Blueprint website

Students make appointments before school, at lunch, and after school in the Guidance Department.

POST-SECONDARY PROGRAM PLANNING

1. If the education requires **UNIVERSITY**, log on to the website www.electronicinfo.ca
2. Refer to education requirements from your occupation search sheet. If the education requires **COLLEGE**, log on to the website www.ontariocolleges.ca
3. **APPRENTICESHIP** information log on to: www.tcu.gov.on.ca/eng/employmentontario/training/
4. **MYBLUEPRINT** website: www.myblueprint.ca/tvdsb
5. **VOLUNTEER** website: <https://www.facebook.com/VolunteerYAlondon/>

COURSE CODES AND DESCRIPTIONS

2019-2020

What Level Choice? The choice of level is one that must be made with care. The parents have the ultimate right of choice. Administrators, teachers and counsellors will be pleased to discuss these choices with the parents. **D** = academic **P** = applied **U** = university **M** = university/college **C** = college **E** = workplace **O** = open

* Offered in 2019-20, not offered in 2020-2021

** Offered in 2020-2021, not offered in 2019-20

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ARTS-PERFORMING Dance Drama Music -instrumental / band -vocal	ADA 101 AMI101 AMR10B AMV101	ATC201 ADA201 AMI201 AMR20B AMG201 AMV201	ATC301 ATC3M1 ADA301 ADA 3M1 AMI3M1 AMG3M1/301 AMV3M1 AMR30B	ATC4M1 ADA4M1 AMI4M1 AMR4MB AMV4M1
ARTS-VISUAL Visual Arts Crafting Photography Digital Media	AVI101	AVI201	AVI3M1 AWA301 AWQ3M1 AWS3M1	AVI4M1 AWQ4M1 AWS4M1
BUSINESS STUDIES Accounting Entrepreneurial Studies Information Technology Marketing International Business	BTT101	BBI201	BAF3M1 BDI3C1 BTA301 BMI3C1	BAT4M1 BOH4M1** BBB4M1*
CANADIAN & WORLD STUDIES Geography Travel & Tourism World Issues History World Religions Civics Law	CGC1D1 CGC1P1	CHC2D1 CHC2P1 CHV205	CGG301 CHW3M1 HRT3M1 HRF301 CLU3M1	CGW4U1 CHY4U1 CHY4C1 CLN4U1 CLN4C1
COMPUTER SCIENCE (Programming)		ICS201	ICS3C1 ICS3U1	ICS4C1 ICS4U1
COOPERATIVE EDUCATION WORK INTERNSHIP OYAP	A Coop placement may be set up as long as it can be related to any high school course. e.g. a geography coop placement would be in a travel agency and the related course would be Grade 11 Open Travel and Tourism (CGG301).		Coop	Coop Work Internship GLN401* + GLN40D* GWL301** + GWL30D**
ENGLISH Compulsory Literacy Development The Writer's Craft	ENG1D1 ENG1P1 ENG1L1 ENG 1DB (BUNDLED COURSE WITH TGJ 201)	ENG2D1 ENG2P1 ENG2L1	ENG3U1 ENG3C1 ENG3E1	ENG4U1 ENG4C1 (OLC401) EWC4U1** EWC4C1**

CAREER EDUCATION Careers (Leadership-selection by interview ONLY)		GLC205	(GPP301)	(IDC 4U1) (PLF4M1)	
HEALTH & PHYS. ED Fitness Hockey Kinesiology	PPL10F PPL10M	PPL20F PPL20M PAL201	PPL30F PPL30M PAF30F PAF30M PAL301	PPL401 PAL401 PSK4U1**	
INTERNATIONAL LANGUAGES FRENCH SPANISH	FSF1D1 FSF1P1	FSF2D1 FSF2P1 LWSBD1	FSF3U1 FSF301	FSF4U1	
MATHEMATICS	MPM1D1 MFM1P1 MAT1L1	MPM2D1 MFM2P1 MAT2L1	MCR3U1 MCF3M1 MBF3C1 MEL3E1	MHF4U1 MCV4U1 MDM4U1 MCT4C1 MAP4C1 MEL4E1	
SCIENCE General Biology Chemistry Physics	SNC1D1 SNC1P1 SNC1L1	SNC2D1 SNC2P1 SNC2L1	SVN3E SBI3U1 SBI3C1 SCH3U1 SPH3U1	SNC4E1 SBI4U1 SCH4U1 SCH 4C1 SPH 4U1 SPH4C1	
SOCIAL SCIENCES & HUMANITIES Food and Nutrition Family Studies Parenting/Families in Canada Psychology/Sociology/ Anthropology Social Justice	HFN101	HIF201	HFC3E1 HPC301 HSP3U1 HSP3C1	HFA4U1 HFA4C1 HFL4E1 HIP401 HHS4C1 HHS4U1 HHG4M1 HSE4M1	
TECHNOLOGICAL EDUCATION Communication Construction Green Industries Hairstyling & Aesthetics Health Care Hospitality & Tourism Manufacturing Transportation	TIJ101	TGJ201 TCJ201 THJ201 TXJ201 TPJ201 TFJ201 TMJ201 TTJ201	TGJ3M1 TGV3M1 TCJ3C1 TCJ3E1 THJ3M1 THJ3E1 TXJ3E1 TPJ3C1 TPJ3M1 TPJ3C1 TFJ3C1 TFJ3E1 TMJ3M1 TMJ3C1 TMJ3E1 TTJ3C1 TTJ301	TGJ4M1 TCJ4C1 TCJ4E1 THJ4M1 THJ4E1 TXJ4E1 TPJ4M1 TFJ4C1 TFJ4E1 TMJ4M1 TMJ4C1 TMJ 4E TTJ4C1	
ENGLISH AS A SECOND LANGUAGE (ESL)	LEVEL (A) Beginner ESLA01 GLS10E	LEVEL (B) Beginner ESLB01 GLC20E CHV20E	LEVEL (C) Intermediate ESLC01 CGC1PE BTT10E	LEVEL (D) Intermediate ESLD01 SNC1PE	Level (E) Senior ESLE01 CHC2PE
ELL MATH	MAT1LL Grades 1 - 3	MAT1LL Grades 4 - 6	MAT2LL Grades 7 - 8		
ESL-ENGLISH LITERACY DEVELOPMENT	ELDA01	ELDB01	ELDC01 GLD20E	ELDD01	

COURSE DESCRIPTIONS

DANCE

ATC 201 - Dance

Grade 10, Open

This course emphasizes the development of student's technique and creative skills relating to the elements of dance and the tools of composition in a variety of performance situations. Students will identify responsible personal and interpersonal practices related to dance processes and production, and will apply technologies and techniques throughout the process of creation to develop artistic scope in the dance arts. *Prerequisite:* None

ATC 301 - Dance

Grade 11 Open

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

Prerequisite: None

ATC 3M1 - Dance

Grade 11 University/College

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

Prerequisite: Dance, Grade 9 or 10 Open

ATC 4M1 - Dance

Grade 12, University/College Preparation

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

Prerequisite: Dance, Grade 11, University/College Preparation

DRAMA

ADA 101 - Drama

Grade 9, 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 analyze drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

ADA 201 - Drama

Grade 10, Open

This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences. *Prerequisite:* None

ADA 301 - Drama

Grade 11, Open

This course requires students to engage in dramatic processes and the presentation of dramatic works, and emphasizes the application of drama skills in other contexts and opportunities. Students will interpret and present works in a variety of dramatic forms, create and script original works, and critically analyze the processes involved in producing drama works. Students will develop a variety of skills related to collaboration and the presentation of drama works. *Prerequisite:* None

ADA 3M1 - Drama

Grade 11, University/College

This course requires students to create and perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyze the functions of playwrights, directors, actors, designers, technicians, and audiences. *Prerequisite:* Drama, Grade 9 or 10, Open

ADA 4M1 - Drama

Grade 12, University/College Preparation

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:* Drama, Grade 11, University/College Preparation

INSTRUMENTAL MUSIC**AMI 101 - Instrumental Music**

Grade 9, Open

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

AMI 201 - Instrumental Music

Grade 10, Open

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. This course is designed for students who want to perform in Musical Futures bands. Students taking this course may also take AMR20B (Band). *Prerequisite:* None but AMI101 is recommended.

AMI 3M1 - Instrumental Music (Music Futures)

Grade 11, University/College

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers. This course is for students wanting to learn band instruments. Students taking this course may also take AMR30B (Band) *Prerequisite:* AMI101 **or** AMI201

AMI 4M1 - Instrumental Music (Music Futures)

Grade 12, University/College

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyze how to apply skills developed in music to their life and careers. This course is for students wanting to study band instruments. Students taking this course may also take AMR40B (Band) *Prerequisite:* Music, Grade 11, University/College Preparation

AMG 201 - Instrumental Music - Guitar

Grade 10, Open

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. This course is designed for students who want to learn how to play the guitar. *Prerequisite:* None

AMG 3M1 - Instrumental Music - Guitar

Grade 11, University/College

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers. This course is for students wanting to learn how to play guitar. *Prerequisite:* Music, Grade 9 or 10, Open

VOCAL MUSIC**AMV 101 - Music - Vocal**

Grade 9, Open

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

AMV 201 - Music - Vocal

Grade 10, Open

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. This course is designed for students who want to sing. *Prerequisite:* None

AMV 3M1 - Music - Vocal

Grade 11, University/College

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on responding to, and analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers. This course is for students wanting to learn to sing. *Prerequisite:* Music, Grade 9 or 10, Open

AMV 4M1 - Music - Vocal

Grade 12, University/College

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyze how to apply skills developed in music to their life and careers. This course is for students wanting to sing. *Prerequisite:* Music, Grade 11, University/College Preparation

MUSIC: BAND

AMR 10B - Band Repertoire

Grade 9, Open

This ½ credit course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life. This course will be offered after school Tuesdays and Thursdays for ½ credit each semester, and runs for the full year in the form of rehearsals.

AMR 20B - Band Repertoire

Grade 10, Open

This ½ credit course utilizes the study of band repertoire to enrich and expand the experience of the students who are enrolled in a full credit music course. It is scheduled outside of the regular school day and runs for the full school year. This course emphasizes the performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. This course will be offered after school Tuesdays and Thursdays for ½ credit each semester, and runs for the full year in the form of rehearsals.

AMR 3MB - Band Repertoire

Grade 11, University/College

This ½ credit course utilizes the study of band repertoire to enrich and expand the experience of the students who are enrolled in a full credit music course. It is scheduled outside of the regular school day and runs for the full school year. This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. This course will be offered after school Tuesdays and Thursdays for ½ credit each semester, and runs for the full year in the form of rehearsals.

AMR 4MB - Band Repertoire

Grade 12, University/College

This ½ credit course utilizes the study of band repertoire to enrich and expand the experience of the students who are enrolled in a full credit music course. It is scheduled outside of the regular school day and runs for the full school year. This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. This course will be offered after school Tuesdays and Thursdays for ½ credit each semester, and runs for the full year in the form of rehearsals.

VISUAL ART

AVI 101 - Visual Arts

Grade 9, Open

This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use creative and critical analysis process and will interpret art within a personal, contemporary, and historical context.

AVI 201 - Visual Arts

Grade 10, 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

AVI 3M1 - Visual Arts

Grade 11, 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. *Prerequisite:* AVI 101, AVI 10E, or AVI 201.

AWA 301 - Visual Arts

Crafts Grade 11, Open

This course is an exploration of a variety of traditional and contemporary crafts. Studio work will include a variety of materials and techniques to make two and three-dimensional works (e.g. paper crafts, jewelry, decorations, fabric arts). Students will have the opportunity to create useful and decorative objects while gaining an appreciation and understanding of cultural and creative diversity worldwide. Students will explore craft works and employment within a personal, contemporary, historical, and cultural context. They will apply design theory and analyze the design of their work and the works of others. This course is recommended for senior students who need the compulsory art credit. *Prerequisite:* None.

AVI 4M1 - Visual Arts

Grade 12, 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:* AVI 3M1.

PHOTOGRAPHY**AWQ 3M1- Visual Arts, Introduction to Digital Photography**

Grade 11, University/College Preparation

This course is an introduction to the basic concepts of digital photography. Students will have opportunities for hands-on experience using DSRL cameras, digital editing software (e.g. Photoshop), and photographic equipment. Emphasis will be placed on applying understanding of design, composition, camera techniques, lighting, and post-production software edits to improve photos taken with either cameras or even their personal devices. They will explore connections with the world through photography and critically analyze their own and other's photos. This is an excellent opportunity for any student interested in pursuing journalism, photography, multi-media design, or graphic design to add to a portfolio of work. *Prerequisite:* AVI 101 or AVI 201.

AWQ4M1- Advanced Digital Photography

Grade 12, University/College Preparation

This course is a continuation of the introductory digital photography class. This class will look at refining their creative process in digital photography with increased skill in composition, camera use, studio equipment, and software post-production. They will develop skills through a series of projects with specific real-world applications (e.g. sports photography, photojournalism, event photography, restoration, portrait studio work, and more) and through creative experimentation. Students will analyze and evaluate their own and other's artworks. They will reflect on photography's impact on themselves and on society. Students will maintain a portfolio of their photographic works. This is an excellent opportunity for any student interested in pursuing journalism, photography, fine art, multi-media, or graphic design to add to a portfolio of work. *Prerequisite:* AWQ3M1.

DIGITAL ART

AWS3M1 - Digital Media

Grade 11, University/College

Students will be introduced to the possibilities for art production through emergent technologies (e.g. Photoshop, photography, drawing/painting/animation software, and graphics tablets). Students will transfer and refine knowledge of design, sculpture, drawing, and painting skills to composition in the digital environment. Projects will focus on learning a variety of current digital art skills such as Photoshop, digital drawing and illustration, animation, graphic design, website design, and photography. This course would be an asset for students interested in pursuing employment in game design, interactive media design, animation, graphic design or wishing to add a digital component to their fine art portfolio. *Prerequisite:* AVI101, AVI201 or permission of the instructor.

AWS4M1 – Advanced Digital Media (Featuring Game Design Unit)

Grade 12, University/College

Students of this course will build on art production skills using emergent digital technologies. Emphasis will be placed on design theory and software use to create various projects for multi-media, commercial art and fine art purposes. Skills with digital media, such as graphics tablets, and current industry software (e.g. Adobe Photoshop, InDesign, Illustrator, and others) will be further developed. Students will analyze and evaluate digital works and will be required to maintain a portfolio of their art works. Students will have the opportunity to focus on specific areas of interest to explore possibilities for further studies or career opportunities such as game designer, digital artist, graphic artist, animator, fine artist, or interactive/multi-media designer. *Prerequisite:* AWS3M1.

BUSINESS STUDIES

BTT 101 – Introduction to Information Technology in Business

Grade9, 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. A great start for business or careers studies.

BBI201 - Introduction to Business

Grade 10, Open

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives. *Prerequisite:* none

BDI3C1 - Entrepreneurship: The Venture

Grade 11, College

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a student -run school-based or summer business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs. *Prerequisite:* None

BMI3C1 - Marketing: Goods, Services, Events (Sports and Entertainment)

Grade 11, 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. Students can choose a good, service, sporting or entertainment event for their final assessment. *Prerequisite:* None

BTA301 - Information Technology Applications in Business

Grade 11, Open

This course prepares students for the digital environment. Using hands on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or postsecondary studies. *Prerequisite:* None

BOH4M1 - Business Leadership: Management Fundamentals

Grade 12, University/College

This course focuses on the development of leadership skills used in managing a successful business. Students will analyze the role of a leader in business with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility will be emphasized throughout the course. *Prerequisite:* Any university, university/college, or college preparation course in business studies, English or Canadian and World studies.

NOTE: Offered in 2020-21, NOT offered 2019-20

BBB4M1 - International Business

Grade 12, University/College

This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing, and management. **NOTE: Offered in 2019-20, NOT offered in 2020-21.**

BUSINESS ACCOUNTING

BAF3M1- Introduction to Financial Accounting

Grade 11, University/College

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

BAT4M1- Principles of Financial Accounting

Grade 12, University/College

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 further develops accounting methods for assets and introduces accounting for partnerships, corporations, and sources of financing. Students will be using a web-based text book. *Prerequisite:* Financial Accounting Fundamentals Grade 11.

COMPUTER SCIENCE

ICS201 - Introduction to Computer Studies

Grade 10, Open

This course introduces students to computer programming. Student's will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers. *Prerequisite:* None

ICS3U1 - Introduction to Computer Science

Grade 11, University

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model.

They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields. *Prerequisite:* ICS201.

ICS3C1 - Introduction to Computer Programming

Grade 11, College

This course introduces students to computer programming concepts and practices. Students will write and test computer programs using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and post-secondary opportunities in computer-related fields. *Prerequisite:* None (ICS201 is recommended).

ICS4U1 - Computer Science (Featuring Game Development Unit)

Grade 12, University

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyze algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field. *Prerequisite:* ICS3U1.

ICS4C1 - Computer Programming

Grade 12, College

This course further develops students' computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing, and expand their understanding of environmental issues, emerging technologies, and computer-related careers. *Prerequisite:* ICS3C1.

CANADIAN & WORLD STUDIES GEOGRAPHY

CGC 1D1 – Geography of Canada

Grade 9, Academic

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

CGC 1P1 – Geography of Canada

Grade 9, Applied

This course draws upon students' everyday experiences and uses a variety of frameworks, including the Ecozone framework, to help students learn about the geography of interconnections among the country's landforms, climates, soils, plants, animals and human activities in order to understand Canada's character and diversity.

CGG301 - Travel and Tourism: A Geographic Perspective

Grade 11, Open

This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities. *Prerequisite:* Canadian Geographic Issues, Grade 9, Academic or Applied

CGW4U - World Issues: A Geographic Analysis

Grade 12, University

This course looks at the global challenge of creating a more sustainable and equitable world. Students will explore a range of issues involving environmental, economic, social, and geopolitical interrelationships, and will examine governmental policies related to these issues. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate these complex issues, including their impact on natural and human communities around the world. *Prerequisite:* Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities.

HISTORY/WORLD RELIGIONS**CHC2D1 - Canadian History since World War I**

Grade 10, Academic

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914. *Prerequisite:* None

CHC2P1 - Canadian History since World War I

Grade 10, Applied

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada. *Prerequisite:* None

CHV2O5 - Civics and Citizenship

Grade 10, Open 0.5 Credit

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

CHW3M1 - World History to the End of the Fifteenth Century

Grade 11, 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:* Canadian History since World War I, Grade 10, Academic or Applied.

CHY4U1 - World History since the Fifteenth Century

Grade 12, University

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

CHY4C1 - World History since the Fifteenth Century

Grade 12, College

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political

developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world. *Prerequisite:* Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities.

HRT3M1 - World Religions and Belief Traditions: Perspectives, Issues, and Challenges

Grade 11, University/College

This course provides students with opportunities to explore various world religions and belief traditions. Students will develop knowledge of the terms and concepts relevant to this area of study, will examine the ways in which religions and belief traditions meet various human needs, and will learn about the relationship between belief and action. They will examine sacred writings and teachings, consider how concepts of time and place influence different religions and belief traditions, and develop research and inquiry skills related to the study of human expressions of belief. *Prerequisite:* None.

HRF301 - World Religions and Belief Traditions in Daily Life

Grade 11, Open

This course enables students to study world religions and belief traditions in Canadian and global contexts. Students will explore aspects of the human quest for meaning and will examine world religions and belief traditions as exemplified in various sacred teachings and principles, rites, and passages. They will also study the interaction throughout history between society and various belief traditions, and will develop research and inquiry skills related to the study of world religions and belief traditions. *Prerequisite:* None.

LAW

CLU3M1 - Understanding Canadian Law

Grade 11, University/College

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use case studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws. *Prerequisite:* Canadian History since World War I, Grade 10, Academic or Applied.

CLN4U1 - Canadian and International Law

Grade 12, 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.

CLN4C1 - Legal Studies

Grade 12, College

This course provides a foundation for students who wish to pursue a career that requires an understanding of law. Students will explore the importance of law, analyzing contemporary legal issues and their impact. They will investigate requirements for various law-related careers as well as legal responsibilities in the workplace. Students will apply the concepts of legal thinking and the legal inquiry process to investigate the role of law in a changing society and will develop conflict-resolution skills needed for negotiation. *Prerequisite:* Civics and Citizenship, Grade 10.

ENG 1D1 – English

Grade 9, Academic

This course is designed to develop the 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 informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

ENG 1P1 – English

Grade 9, Applied

This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.

ENG 1L1 – English

Grade 9, Locally Developed

This course provides foundational literacy and communication skills to students for success in their daily lives and in the workplace. 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 reflect regularly upon their growth in these areas.

ENG2D1 - English

Grade 10, 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 daily lives. Students will analyze literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts and create oral, written and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course. *Prerequisite:* English, Grade 9, Academic

ENG2P1 - English

Grade 10, 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 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 course. *Prerequisite:* English, Grade 9, Academic or Applied

ENG2L1 - English

Grade 10, 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 Grade 11 Workplace Preparation course, OR 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 upon their growth in these areas. *Students may be recommended for this course by the English department. Prerequisite:* any Grade 9 English Credit

ENG3U1 - English

Grade 11, University

This course emphasizes the development of literacy, communication and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze challenging literary texts from various periods, countries and cultures, as well as a range of informational and graphic texts and create oral, written and media texts in a variety of forms. An important focus will be on using language with precision and clarity and

incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory Grade 12 university or college course. *Prerequisite:* English, Grade 10 Academic

ENG3C1 - English

Grade 11, College

This course emphasizes the development of literacy, communication and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries and create oral, written and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college course. *Prerequisite:* English, Grade 10, Applied

ENG3E1 - English

Grade 11, Workplace

This course emphasizes the development of literacy, critical thinking, and communication skills. Students study the content, form, and style of informational texts and literary works; write explanations, letters and reports; and investigate the connections among media forms, audiences, and media industry practices. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts. *Students may be recommended for this course by the English department. Prerequisite:* English, Grade 10, Applied or Locally Developed.

ENG4U1 - English

Grade 12, University

This course emphasizes the consolidation of literacy, communication and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts and create oral, written and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace. *Prerequisite:* English, Grade 11, University

ENG4C1 - English

Grade 12, College

This course emphasizes consolidation of literacy, communication and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a variety of informational and graphic texts, as well as literary texts from various countries and cultures and create oral, written and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace. *Prerequisite:* English, Grade 11, College.

WRITER'S CRAFT

EWC 4C1 - The Writer's Craft

Grade 12, College

This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers. *Prerequisite:* English, Grade 11, College.

NOTE: Offered in 2020-21, not offered 2019-20

EWC 4U1 - The Writer's Craft

Grade 12, University

This course emphasizes knowledge and skills related to the craft of writing. Students will analyze models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers. *Prerequisite:* English, Grade 11, University. **NOTE: Offered in 2020-21, not offered 2019-20**

LITERACY DEVELOPMENT

OLC401 - Ontario Secondary School Literacy Course

Grade 12, Open

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

GUIDANCE AND CAREER EDUCATION

GLC205 - Career Studies

Grade 10, 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 postsecondary 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

LEADERSHIP

GPP301 - Leadership and Peer Support

Grade 11, Open

This course prepares students to act in leadership and peer support roles. They will design and implement a plan for contributing to their school and/or community; develop skills in communication, interpersonal relations, teamwork, and conflict management; and apply those skills in leadership and/or peer support roles – for example, as a student council member or a peer tutor. Students will examine group dynamics and learn the value of diversity within groups and communities. **NOTE: Selection for this course is by recommendation and interview process ONLY.**

IDC4U1 – Interdisciplinary Studies

Grade 12 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 analyze 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. This course has a leadership element. **NOTE: Selection for this course is by recommendation and interview process ONLY.**

Prerequisites: Any Grade 11 university or university/college preparation course.

PLF 4M1 - Recreation and Healthy Active Living Leadership

Grade 12 College/University

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. **NOTE: Selection for this course is by recommendation and interview process ONLY.** *Prerequisite:* Any health and physical education course.

COOPERATIVE EDUCATION

COOPERATIVE EDUCATION

Co-operative Education is a combination of in-school classes and work experience partnered in the community. Efforts are made to secure placements that tie directly to students' post-secondary education or career choices. The in-school component focuses on employability skills of personal management, teamwork, communication and critical thinking. Work site learning plans are developed to reinforce skills and knowledge acquired at the placement. Co-op courses must be linked to a senior level *Prerequisite* course and an interview must take place in order to determine the suitability of candidates and potential placements. Applicants must have a proven record of maturity, personal initiative, and subject competence. All Co-op courses are offered as a 2 credit/220 hour program. A variety of programs are offered. Students must complete a separate application form in order to register. Pre-registration occurs in early February and late registration will be with permission only. There is a potential for a 4 credit Co-op if the student is interested in a trade. (Ontario Youth Apprenticeship Program). See Guidance for details.

WORK INTERNSHIP

Cougars Accessing Routes to Employment is a three credit package for students entering the workforce after high school. It includes Designing Your Future, and three work experience co-op credits. The compulsory credits earned include Group 1, 2 & 3 Compulsory Credits (GWL301, GWL30D and GLC2OS). Students in this program will be selected by the Guidance department. Please see your guidance counsellor for more details. **GWL30D + GLC2OS = 3 credit Cooperative Education package ** only to be taken as part of the Work Internship package.**

GWL301 - Navigating the Workplace

Grade 11, Open

This course provides students with opportunities to develop the workplace essential skills and work habits required for success in all types of workplaces. Students will explore occupations and careers of interest through participation in real workplace experiences. They will make plans for continued learning and work, work with others to design learning experiences, and investigate the resources and support required to make a smooth transition to their post-secondary destination. *Prerequisite:* None

HEALTH AND PHYSICAL EDUCATION

PPL 10F (GIRLS) / PPL 10M (BOYS) – Healthy Active Living

Grade 9, 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, ways to improve personal fitness and physical competence, and safety and injury prevention. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs, and will participate in activities designed to develop goal-setting, communication, and social skills.

PPL 20F (GIRLS) / PPL 20M (BOYS) – Healthy Active Living Education

Grade 10, Open

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

PAL201 - Healthy Active Living -Large Group Activities/Hockey

Grade 10, Open

This co-ed course focuses on the development of a healthy lifestyle and participation through the sport of hockey and other enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills, and will be given

opportunities to improve overall fitness, practice goal-setting, decision making, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, nutrition, mental health, and personal safety. The emphasis in this course will be 50 to 60 hours of ice time at Stronach Arena centered on hockey skills. *Prerequisite:* Students MUST have their own hockey equipment.

PAF30F (Female)/ PAF30M (Male)- Personal and Fitness Activities Grade 11, Open
LIVE FIT - this course will introduce students to the concept of personal responsibility for one's own health and fitness through a variety of vigorous activities. A Live Fit@ will maximize opportunities for personalized fitness improvement and will include some of the following activities: Strength training, circuit training, step, interval training, cardio/aerobic workouts, in-depth study of fitness components, outdoor fitness activities, water aerobics, skiing, ice skating, running programs and much more! Health components will feature topics on diet and nutrition, health issues, reproductive health, mental health, self-concept and decision making. *Prerequisite:* none

PPL30F (Female)/PPL30M (Male) - Healthy Active Living Education Grade 11, Open
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. *Prerequisite:* None

PAL 301 - Healthy Active Living-Large Group Activities (Hockey) Grade 11, Open
This co-ed course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities and hockey skills that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practice goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of hockey theory and strategy, healthy nutrition, mental health, healthy relationships and personal safety. *Prerequisite:* PAL201 and students MUST have their own hockey equipment.

PPL401 - Healthy Active Living Education (Co-ed) Grade 12, Open
This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. *Prerequisite:* None

PAL401 - Healthy Active Living-Large Group Activities (Hockey) Grade 12, Open
This co-ed course focuses on the development of a personalized approach to healthy active living through participation in the sport of hockey and other recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others. Students will contribute to their certifications through the minor Hockey Alliance of Ontario. The emphasis in this course will be 50 to 60 hours of ice time at Stronach Arena centered on hockey skills. *Prerequisite:* PAL201 and students MUST have their own hockey equipment.

PSK4U1 - Introduction to Kinesiology Grade 12, University
This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity and sport. The course prepares students for university programs in physical

education and health, kinesiology, health sciences, health studies, recreation, and sports administration.

Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 course in health and physical education **NOTE: This course is offered in 2020-21, but will NOT be offered in 2019-20.**

INTERNATIONAL LANGUAGES

FSF 1D1 – Core French

Grade 9, Academic

This course will further develop oral communication, reading, and writing skills from previous years. Students will explore a variety of themes, such as relationships, social trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping stones to oral and written activities.

FSF 1P1 – Core French

Grade 9, Applied

This course emphasizes communication skills using a broad-based theme such as the media. Students will enhance their ability to understand and speak French through conversations, discussions, and presentations. They will also read short stories, articles, poems, and songs, and write brief descriptions, letters, dialogues, and invitations.

FSF2D1 - Core French

Grade 10, Academic

This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills 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 continue to develop the skills necessary to become life-long language learners. *Prerequisite:* Core French, Grade 9, Academic or Applied

FSF2P1 – Core French

Grade 10, Applied

This course provides opportunities for students to communicate in French about everyday matters and topics of personal interest in real-life situations. Students will exchange information, ideas, and opinions with others in structured, guided, and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through using language learning strategies for understanding texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. *Prerequisite:* Core French, Grade 9, Academic or Applied

LWSBD1 – Spanish

Grade 10, Academic

This course provides students with the language learning experiences that will enable them to communicate in the language of study. Students will continue to develop and apply their speaking skills in a variety of contexts, and will participate in activities that will improve their reading comprehension and writing skills. They will also continue to explore aspects of the culture of countries where the language under study is spoken by taking part in community-sponsored events and activities involving both print and technological resources. Although students will continue to expand their vocabulary and repertoire of language structures, the language they will use at this level will still be simple. *Prerequisite:* None.

FSF3U1- Core French

Grade 11, University

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts. They will continue to broaden their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning. *Prerequisite:* Core French, Grade 10, Academic

FSF301 – Core French

Grade 11, Open

This course draws on a broad theme, such as leisure activities, to develop oral communication, reading, and writing skills. Students will give presentations, read a selection of short stories and articles, and produce a variety of written assignments. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. Prerequisite: Core French, Grade 10, Applied or Academic

FSF4U1 - Core French

Grade 12, University

This course provides extensive opportunities for students to speak and interact in French independently. Students will apply language-learning strategies in a wide variety of real-life situations, and will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning. *Prerequisite:* Core French, Grade 11, University Preparation

MATHEMATICS**MPM 1D1 – Principles of Mathematics**

Grade 9, Academic

This course enables students to develop an understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. They will also explore relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

MF1 1P1 – Foundations of Mathematics

Grade 9, Applied

This course enables students to develop an understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relations, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

MAT 1L1 – Mathematics

Grade 9, Locally Developed

This course focuses on the knowledge and skills required to be well prepared for success in the Grade 10 Locally-developed Mathematics (MAT2L). It will support students in developing and enhancing strategies that they need to develop mathematical literacy skills and the confidence to use these skills in their day-to-day lives. The areas of Money Sense, Measurement and Proportional Reasoning form the basis of the course content.

MPM 2D1 - Principles of Mathematics

Grade 10, Academic

This course enables students to broaden their understanding of relations, extend their problem solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relationships and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically as they solve multistep problems and communicate their thinking. *Prerequisite:* Mathematics, Grade 9, Academic.

MF1 2P1 - Foundations of Mathematics

Grade 10, Applied

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

Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Mathematics, Grade 9, Academic or Applied.

MAT 2L1 - Locally Developed

Grade 10, Locally Developed

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Mathematics Grade 11 and 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:* Grade 9 mathematics credit.

MCR 3U1 - Functions

Grade 11, 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:* Mathematics, Grade 10, Academic.

MCF 3M1 - Functions and Applications

Grade 11, 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 modeling real world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *Prerequisite:* Mathematics, Grade 10, Academic or Applied.

MBF 3C1 - Foundations for College Mathematics

Grade 11, 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; and develop their ability to reason by collecting, analysing, 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:* Mathematics, Grade 10 Applied or Academic.

MEL 3E1 - Mathematics for Everyday Life

Grade 11, Workplace

This course enables students to broaden their understanding of mathematics as it is applied in important areas of day-to-day living. Students will solve problems associated with earning money, paying taxes, and making purchases; applying calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. *Prerequisite:* Mathematics, Grade 9 & Grade 10, Academic or Applied or Locally Developed MAT2L.

MHF 4U1 - Advanced Functions

Grade 12, 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 and develop facility in applying these concepts and skills. Students will also refine their use of 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:* Functions, Grade 11, University course, or Mathematics for College Technology, Grade 12, College course.

MCV 4U1 - Calculus and Vectors

Grade 12, 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 the modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering. *Prerequisite:* MHF4U1 Note: Advanced Functions can be taken concurrently with Calculus and Vectors.

MDM 4U1 - Mathematics of Data Management

Grade 12, University

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest. *Prerequisite:* Functions, Grade 11, University/College course, or Functions, Grade 11, University course.

MCT 4C1 - Mathematics for College Technology

Grade 12, College

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 programs in business, health sciences and 2 year technician or 3 year technology programs. *Prerequisite:* Functions and Applications, Grade 11, University/College, or Functions, Grade 11, University.

MAP 4C1 - Foundations for College Mathematics

Grade 12, College

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; 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:* Foundations for College mathematics, Grade 11, College.

MEL 4E1 - Mathematics for Work and Everyday Life

Grade 12, 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, create household budgets, and prepare a personal income tax return; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

SCIENCE**SNC 1D1 - Science**

Grade 9, Academic

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

SNC 1P1 – Science

Grade 9, Applied

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

SNC 1L1 – Science

Grade 9, Locally Developed

This course prepares students for Grade 10 Locally-developed Science (SNC2L). Students explore a range of topics including science in daily life, properties of common materials, life sustaining processes, and electrical circuits. This course reinforces and strengthens science-related knowledge and skills, including scientific inquiry, critical thinking and the relationship between science, society and the environment.

SNC 2D1 – General Science

Grade 10, Academic

This course enables students to enhance their understanding of concepts in 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:* Science, Grade 9, academic or Applied.

SNC 2P1 – General Science

Grade 10, 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:* Science, Grade 9, Academic or Applied.

SNC 2L1 – General Science

Grade 10, Locally Developed

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, 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 the media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. 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

SBI 3U1 - Biology

Grade 11, University

This course furthers student's 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: Science, Grade 10, Academic

SBI 3C1 - Biology

Grade 11, College

This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields. *Prerequisite:* Science, Grade 10, Academic or Applied

SCH 3U1 - Chemistry

Grade 11, 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:* Science, Grade 10, Academic

SPH 3U1 - Physics

Grade 11, University

This course develops student's understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyze the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment. *Prerequisite:* Science, Grade 10, Academic

SVN 3E1 - Environmental Science

Grade 11 Workplace

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas. *Prerequisite:* Grade 10 Science, Locally Developed, Applied or Academic.

SBI 4U1 - Biology

Grade 12, 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:* Biology, Grade 11, University

SCH 4U1 - Chemistry

Grade 12, 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:* Chemistry, Grade 11, University

SCH 4C1 - Chemistry

Grade 12, 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:* Science, Grade 10, Academic or Applied

SPH 4U1 - Physics

Grade 12, 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 analyze, qualitatively and quantitatively, data relating to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment. *Prerequisite:* Physics, Grade 11, University course

SPH 4C1 - Physics

Grade 12, College

This course develops student's 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:* Science, Grade 10, Academic or Applied

SNC 4E1 – General Science

Grade 12, Workplace

This course provides students with fundamental science knowledge and workplace skills needed to prepare them for success beyond secondary school. Students will explore hazards in the workplace, chemicals in consumer products, disease and its prevention, electricity at home and at work, and nutritional science. Emphasis is placed on current topics in science and relevant, practical activities that develop students' literacy and mathematical literacy skills and enhance their scientific literacy.

SOCIAL SCIENCES AND HUMANITIES**HFN 101 – Food and Nutrition**

Grade 9, 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.

HIF 201 – Family Studies

Grade 10, 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.

HPC301 – Raising Healthy Children

Grade 11, 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.

HSP3U1 - Introduction to Anthropology, Psychology, and Sociology

Grade 11, University

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science, and to become familiar with current thinking on a range of issues within the three disciplines. *Prerequisite:* The Grade 10 *academic* course in English or the Grade 10 *academic* history course (Canadian and world studies).

HSP3C1 - Introduction to Anthropology, Psychology, and Sociology

Grade 11, College

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. They will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines. *Prerequisite:* None.

HFC 3E1 – Food and Culture

Grade 11, Workplace

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

Prerequisite: None

HFA4U1 - Nutrition and Health

Grade 12, University

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

HFA4C1 - Nutrition and Health

Grade 12, College

This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production. Students will investigate the role of nutrition in health and disease and assess strategies for promoting food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and refine their ability to use social science research and inquiry methods to investigate topics related to nutrition and health. *Prerequisite:* Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

HHG4M1 - Human Development Throughout the Lifespan

Grade 12, University/College

This course offers a multidisciplinary approach to the study of human development throughout the lifespan. Students will learn about a range of theoretical perspectives on human development. They will examine threats to healthy development as well as protective factors that promote resilience. Students will learn about physical, cognitive, and social-emotional development from the prenatal period through old age and will develop their research and inquiry skills by investigating issues related to human development. *Prerequisite:* Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

HHS4U1 - Families in Canada

Grade 12, 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.

HHS4C1 - Families in Canada

Grade 12, 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.

HFL 4E1 – Food and Healthy Living

Grade 12, Workplace

This course focuses on the fundamental food needs of young adults. Students will learn how to stock a kitchen, make nutritious food choices, and accommodate the foods needs of others. Through a range of practical experiences, they will develop skills needed in food preparation for personal use and for employment in the food industry. They will also learn about dining etiquette in different contexts and about responsible consumer practices. Students will use social science research methods to investigate issues related to food preparation and nutrition.

HIP401- Personal Life Management

Grade 12, 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.

HSE 4M1 – Equity and Social Justice: From Theory to Practice

Grade 12, 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 analyze 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

NATIVE STUDIES**NDA 3M1 - Current Aboriginal Issues in Canada**

Grade 11, University/College

This course focuses on existing and emerging issues of national and regional importance of concern to Aboriginal peoples in Canada. Students will analyze diverse perspectives from a variety of sources such as media, academic works and public opinion polls on events and developments related to land, community, governance, identity and culture. Using political thinking concepts and the political inquiry process students will explore their own and others' ideas, investigate an issue to determine what needs to change, why and appropriate problem-solving strategies.

Prerequisite: CHC 2D1 or CHC 2P1

NBV 3E1 – Aboriginal Beliefs, Values ,and Aspirations in Contemporary Society

Grade 11, 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: CHC 2D1 or CHC 2P1

**TECHNOLOGY EDUCATION
EXPLORING TECHNOLOGY****TIJ 101 – Exploring Technologies**

Grade 9, 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.

COMMUNICATION TECHNOLOGY

TGJ201 - Communications Technology

Grade 10, 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

TGJ3M1 - Communications Technology

Grade 11, University/College

This course examines communications technology from a media perspective. Students will develop knowledge and skills 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; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues, and will explore college and university programs and career opportunities in the various communications technology fields. *Prerequisite:* None

TGV3M1 - TV, Video and Movie Production

Grade 11, University/College

This course examines communications technology from a media perspective. Students will develop knowledge and skills 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, print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields. This course enables students to develop knowledge and skills in the areas of film making, audio and video production, and broadcast journalism. Students will work both independently and as part of a production team to design and produce medial products in a project-driven environment. Practical projects may include short films, newscasts, pod casts and documentaries. *Prerequisite:* None

TGJ4M1 - Communications Technology

Grade 12, University/College

This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology, and will investigate career opportunities and challenges in a rapidly changing technological environment. *Prerequisite:* Communications Technology, Grade 11, University/College preparation

TECHNOLOGICAL DESIGN

TDJ 201 – Technological Design

Grade 10, Open

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

TDJ 3M1 – Technological Design

Grade 11, University/College

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.

CONSTRUCTION

TCJ201 - Construction Technology

Grade 10, 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

TCJ3C1 - Construction Technology

Grade 11, 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

TCJ 3E1 - Construction Technology

Grade 11, Workplace

This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore postsecondary and career opportunities in the field. *Prerequisite:* None

TCJ4C1 - Construction Technology

Grade 12, 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:* Construction Technology, Grade 11, College

TCJ 4E1 - Construction Technology

Grade 12, Workplace

This course continues to focus on the structures and systems associated with building construction of residential homes. Students will put theory into practice as they build, according to the Ontario Building Codes, replica systems found in all our homes. Wiring circuits, plumbing, interior finishes and more detailed examples of residential construction such as roof trusses, decks and garden sheds. Students that are interested in understanding how residential homes are built, how the electrical, plumbing and interior finishing systems function, or are interested in an apprenticeship in the Building Construction industry would find this course valuable. *Prerequisite:* Construction Technology, Grade 11, Workplace

HEALTH CARE

TPJ201 – Health Care

Grade 10, Open

This course introduces students to personal health promotion, child and adolescent health concerns, and a variety of medical services, treatments, and technologies. Students will become familiar with various instruments and equipment and will learn about human anatomy, organs, and body chemistry, as well as the effects that lifestyle choices can have on personal well-being. They will plan recreational activities for youth, perform a dietary analysis, and evaluate health care practices. Students will develop an awareness of environmental and societal issues related to health care, and will explore secondary and postsecondary pathways leading to careers in the field. *Prerequisite:* None

TPJ3M – Health Care

Grade 11, 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, analyze environmental and societal issues related to health care, and learn about professional practice standards and career opportunities in the field. *Prerequisite:* None

TPJ3C – Health Care

Grade 11, 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 health care terminology and the anatomical features and physiology of some major body systems. Students will develop an awareness of health and safety issues in the health care field, environmental and societal issues related to health care, professional practice standards, and career opportunities in the field. *Prerequisite:* None

TPJ4M1 – Health Care

Grade 12, University/College

This course focuses on the development of a range of skills needed to analyze and interpret clinical findings. Students will learn about accepted health care practices and demonstrate an understanding of basic procedures and the use of appropriate instruments and equipment. They will acquire an understanding of basic concepts related to the function of the human immune system and explore the relationship between pathology and disease prevention and treatment. Students will expand their awareness of workers' health and safety issues, analyze environmental and societal issues related to health care, and further explore professional practice standards and postsecondary destinations in the field. *Prerequisite:* Health Care, Grade 11, University/College preparation

TPJ4C – Health Care

Grade 12, College

This course focuses on the development of clinical skills needed to assess general health status. Students will learn about accepted health care practices and demonstrate an understanding of some basic procedures and the use of appropriate instruments and equipment. They will identify the characteristics of the human immune system and learn about pathology and disease prevention and treatment. Students will expand their awareness of workers' health and safety issues, environmental and societal issues related to health care, professional practice standards, and postsecondary destinations in the field. *Prerequisite:* Health Care, Grade 11, College Preparation

HOSPITALITY AND TOURISM

TFJ201 - Hospitality and Tourism Technology

Grade 10, Open

This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the tourism industry. *Prerequisite:* None

TFJ3C1 - Hospitality and Tourism

Grade 11, College

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry. *Prerequisite:* None

TFJ 3E1 – Hospitality and Tourism

Grade 11, Workplace

This course enables students to acquire knowledge and skills related to the food and beverage services sector of the tourism industry. Students will learn how to prepare, present, and serve food using a variety of tools and equipment, and will develop an understanding of the fundamentals of providing high-quality service to ensure customer satisfaction and the components of running a successful event or activity. Students will develop an awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector. *Prerequisite:* None

TFJ4C1 - Hospitality and Tourism

Grade 12, College

This course enables students to further develop knowledge and skills related to the various sectors of the tourism industry. Students will demonstrate advanced food preparation and presentation skills; increase health and wellness knowledge; develop tourism administration and management skills; design and implement a variety of events or activities; and investigate principles and procedures that contribute to high-quality customer service. Students will expand their awareness of health and safety issues, environmental and societal issues, and career opportunities in the tourism industry. *Prerequisite:* Hospitality and Tourism, Grade 11, College preparation

TFJ 4E1 – Hospitality and Tourism

Grade 12, Workplace

This course enables students to further develop knowledge and skills related to the food and beverage services sector of the tourism industry. Students will demonstrate proficiency in using food preparation and presentation tools and equipment; plan nutritious menus, create recipes, and prepare and present finished food products; develop customer services skills; and explore event and activity planning. Students will expand their awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector. *Prerequisite:* Hospitality and Tourism, Grade 11, Workplace

TRANSPORTATION**TTJ201 - Transportation Technology**

Grade 10, Open

This course introduces students to the service and maintenance of vehicles, aircraft, and/or water craft. 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

TTJ3C1 - Transportation Technology

Grade 11, College

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or water craft. 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

TTJ301 - Transportation Technology: Vehicle Ownership

Grade 11, Open

This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a

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

TTJ4C1 - Transportation Technology

Grade 12, 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 water craft; 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:* Transportation Technology, College course, Grade 11

GREEN INDUSTRIES

THJ201 - Green Industries

Grade 10, Open

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

Prerequisite: None

THJ3M1 - Green Industries

Grade 11, 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 will explore postsecondary education programs and career opportunities.

Prerequisite: None

THJ3E1 - Green Industries

Grade 11, 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

THJ4M1 - Green Industries

Grade 12, 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:* Green Industries, Grade 11, University/College preparation

THJ 4E1 - Green Industries

Grade 12, 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:* Green Industries, Grade 11, Workplace

MANUFACTURING TECHNOLOGY

TMJ2O1 - Manufacturing Technology

Grade 10, Open

This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. 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

TMJ3M1 - Manufacturing Engineering Technology

Grade 11, 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

TMJ3C1 - Manufacturing Technology

Grade 11, 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

TMJ3E1 - Manufacturing Technology

Grade 11, Workplace

This hands-on, project-based course is designed for students planning to enter an occupation or apprenticeship in manufacturing directly after graduation. Students will work on a variety of manufacturing projects, developing knowledge and skills in design, fabrication, and problem solving and using tools and equipment such as 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

TMJ4M1 - Manufacturing Engineering Technology

Grade 12, 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 analyze 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:* Manufacturing Engineering Technology, Grade 11, University/College preparation

TMJ4C1 - Manufacturing Technology

Grade 12, 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: Manufacturing Technology, Grade 11, College preparation

TMJ 4E1 – Manufacturing Technology

Grade 12, Workplace

This project-driven, hands-on course builds on students' experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of 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:* Manufacturing Technology, Grade 11, Workplace

HAIRSTYLING AND AESTHETICS

TXJ201 – Hairstyling and Aesthetics

Grade 10, 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 analyzes 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

TXJ3E1 – Hairstyling and Aesthetics

Grade 11, 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 will 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 will also consider environmental and societal issues related to the industry, and will acquire a more detailed knowledge of apprenticeships and direct-entry work positions. *Prerequisite:* None

TXJ4E1 – Hairstyling and Aesthetics

Grade 12, 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:* Hairstyling and Aesthetics, Grade 11, Workplace preparation

ENGLISH LANGUAGE LEARNERS

English Language Learners (ESL/ELD)

Montcalm provides full English as a Second Language and English Literacy Development (ESL/ELD) program for adolescent newcomers to Canada. Eligible students are those that live within Montcalm's ESL area, have been in Canada for less than 3 years and/or have been identified as needing ESL support. Students in the ESL/ELD program learn English to help them succeed at obtaining an OSSD. Students learn the language as they accumulate credits for their diplomas. There are five levels of ESL instruction: A-E. ESL Level A is Beginning English. There are four levels of ELD (English Language Development) instruction: A-D. As students progress through the levels of instruction, they decrease the number of shelter ESL courses and increase the number of courses taken in the mainstream.

Level A

ESLA01 - English as a Second Language

Level 1, Open

This course builds on students' previous education and language knowledge to introduce the English language and help students adjust to their new cultural environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes; use basic English

language structures and simple sentence patterns in short conversations; read short adapted texts; and write phrases and short sentences. The course also provides students with the knowledge and skills they need to begin to adapt to their new lives in Canada. *Prerequisite:* None

ELDAO1 - English Literacy Development

Level 1, Open

This course is intended for English language learners who have had limited access to schooling and thus have significant gaps in their first-language literacy skills. Students will use basic listening and speaking skills to communicate in English for everyday purposes; develop readiness skills for reading and writing; begin to read highly structured texts for everyday and school-related purposes; and use basic English language structures and sentence patterns in speaking and writing. The course will also help students become familiar with school routines and begin to adapt to their new lives in Canada. *Prerequisite:* None

GLS10E - Learning Strategies

Grade 9, Open

Teachers will instruct students in developing interpersonal, decision-making and practical skills related to being socially responsible both at school and in the community. Students will recognize their own learning preferences and apply a variety of learning skills and strategies to learning situations. They will set goals and monitor their progress. Students will demonstrate the skills and knowledge necessary to manage their own behaviour, and demonstrate appropriate behaviour at school and in the community.

HIF10E - Individual, Family and Society

Grade 9, Open

Students will explore the functioning of families and the diversities found among families and within society. Students reflect on their family needs, origins, family histories and cultures to develop skills in describing, narrating and comparing life experiences. Students investigate how people in their community live, work and interact together. They learn about services in their local community as they describe workers and their jobs.

PPL10E - Healthy Active Living Education for ESL

Grade 9, 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, ways to improve personal fitness and physical competence, and safety and injury prevention. They will participate in activities designed to develop goal-setting, communication, and social skills. Topics and teaching strategies will be modified to accommodate students' level of proficiency in English.

AVI10E - Visual Arts

Grade 9, Open

This course is meant to meet the needs of students whose first language is not English. It introduces the student to a variety of artistic media including drawing, painting, sculpture, printmaking and graphic design. Multi-cultural art history will also be incorporated into these units. This course provides a strong foundation for continued study in the arts.

Level B

ESLBO1

Level 2, Open

This course expands students' listening, speaking, reading, and writing skills in English for everyday and academic purposes. Students will participate in conversations, in structured situations, on a variety of familiar and new topics; link English sentences to compose paragraphs; read a variety of texts designed or adapted for English language learners; and expand their knowledge of English grammatical structures and sentence patterns. The course also supports students' continuing adaptation to the Ontario school system by expanding their cultural knowledge of their new province and country. *Prerequisite:* ESLAO or equivalent.

ELDBO1 - English Literacy Development

Level 2, Open

This course is intended for English language learners who have had limited access to schooling and thus have gaps in their first-language literacy skills. Students will use their developing listening and speaking skills to communicate in English; develop reading strategies to understand a variety of simple texts; produce simple forms of writing; apply increasing knowledge of English grammatical structures; expand their vocabulary; and develop fundamental study skills. The course will also provide opportunities for students to use school and community resources and build their knowledge of Canada. *Prerequisite:* ELDAO or equivalent.

MAT1LL - Math for Everyday Life, Numeracy

Level 2, Locally Developed

This course is to upgrade the mathematical skills of those ESL students who have experienced severe limitations to or interruptions in their education. Emphasis will be placed on the language skills required to handle application and communication tasks in Math. Strands include Numbers Sense and Numeration, Measurement, Geometry and Spatial Sense, Patterning and Data Management and Probability. Course materials will cover math from Grades 1 to 6. Students will be expected to achieve at a Grade 6 level to pass this course.

CHV2OE - Civics, Democracy and Government in Canada

Grade 10 Open .5 credit

Students will learn about the elements of democracy and the meaning of democratic citizenship in Canada context. Students explore and compare the functions and interactions of the three levels of government in Canada, and they compare Canada's form of government to other types of government. They broaden their understanding of life in a democratic society as they investigate the Canadian electoral process. Students also explore the reasons why immigrants choose to come to Canada and how to become a Canadian citizen.

GLC2OE - Career Studies

Grade 10, Open .5 credit

This course introduces students to career and educational planning. The students become familiar with developing and achieving personal goals in education and work and contributing to their communities. Student learning will include assessing their own knowledge, skills, characteristics and employability; exploring careers and obtaining information about education and training; how to become aware of volunteer and work opportunities; and ways to search for work. Students will design action plans for pursuing their goals.

Level C**BTT1OE - Information and Communication Technology in Business**

Grade 9, 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.

ESLC01 - English as a Second Language

Level 3, Open

This course extends students' skills in listening, speaking, reading, and writing in English for a variety of everyday and academic purposes. Students will make short classroom presentations; read a variety of adapted and original texts in English; and write using a variety of forms of text. Students will also expand their academic vocabulary and their study skills to facilitate the transition to the mainstream school program. This course also introduces students to the rights and responsibilities inherent in Canadian citizenship, and to a variety of current Canadian issues. *Prerequisite:* ESLBO or equivalent

ELDC01 - English Literacy Development

Level 3, Open

This course builds on students' growing literacy and language skills and extends their ability to communicate in English about familiar and school-related topics. Students will improve their literacy skills through a variety of contextualized and supported reading and writing tasks; distinguish between fact and opinion in short written and oral texts; complete short guided-research projects; make brief oral presentations; and engage in a variety of cooperative learning activities. The course will broaden their understanding of Canadian culture and citizenship. *Prerequisite:* ELDBO or equivalent

CGC1PE - Geography of Canada

Grade 9, Open

This course focuses on geographic issues that affect Canadians today. Students will draw on personal and everyday experiences as they learn about Canada's distinct and changing character and the natural and human systems and global influences that shape the country. Students will use a variety of geotechnologies and inquiry and communication methods to examine practical geographic questions and communicate their findings. Emphasis will also be placed on developing written and verbal communication skills

MAT2LL - Foundation of Math

Level 3 Locally Developed

This course enables students to develop mathematical ideas and methods through the exploration of applications, the effective use of technology, and extended experiences with hands-on activities. Students will investigate

relationships of straight lines in analytic geometry, solve problems involving the measurement of 3-dimensional objects and 2-dimensional figures and apply key numeric and algebraic skills in problem solving. Students will also have opportunities to consolidate core skills and deepen their understanding of key mathematical concepts. This course prepares students for the Grade 9 level mathematics course and will cover math from Grades 7 and 8.

Level D

ESLDO1 - English as a Second Language

Level 4, Open

This course prepares students to use English with increasing fluency and accuracy in classroom and social situations and to participate in Canadian society as informed citizens. Students will develop the reading, writing, and oral presentation skills required for success in all school subjects. They will study and interpret a variety of grade-level texts; extend listening and speaking skills through participation in discussions and seminars; write narratives, articles, and summaries in English; and respond critically to various print and media texts.

Prerequisite: ESLCO or equivalent

ELDDO1 - English Literacy Development, Level 4, Open

Level 4, Open

This course extends students' literacy skills and ability to apply learning strategies effectively, and teaches them how to use community resources to enhance lifelong learning. Students will engage in a variety of guided reading, writing, and viewing tasks; use media and community resources to complete guided-research projects; and communicate for a variety of academic and everyday purposes with increasing accuracy and fluency. This course further develops the critical thinking skills students will need to participate in Canadian society as informed citizens. *Prerequisite:* ELDCO or equivalent.

SNC1PE - Science ESL

Grade 9, Applied

Students will use the process skills and strategies of science to answer questions about the world. They will recognize that technology is an application of scientific principles, concepts, laws and skills. Students will use research skills to locate, retrieve and organize information relevant to a task from a variety of sources. In addition, they will identify and evaluate career options that use science and technology. Course expectations will be adapted to promote students' confidence in communication in English regarding Science.

GLD2OE - Discovering the Workplace

This course provides students with opportunities to discover and develop the workplace essential skills and work habits required to be successfully employed. Students will develop an understanding of work through practical hands-on experiences in the school and in the community, using real workplace materials. They investigate occupations of interest through experiential learning opportunities. This course helps students make plans for continued learning and work, and is designed for upper level ELD students.

Level E

ESLEO1 - English as a Second Language

Level 5, Open

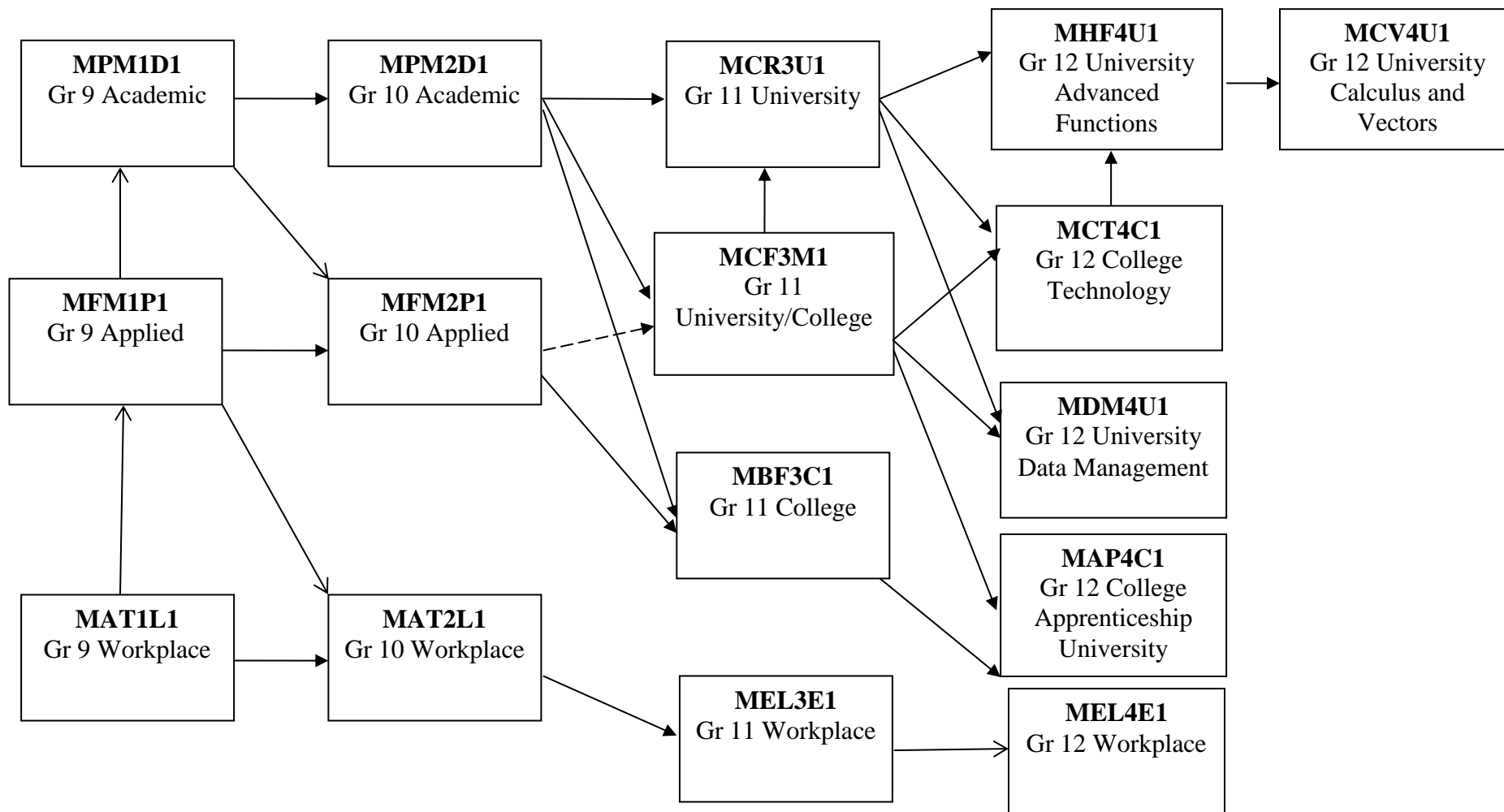
This course provides students with the skills and strategies they need to make the transition to college and university preparation courses in English and other secondary school disciplines. Students will be encouraged to develop independence in a range of academic tasks. They will participate in debates and lead classroom workshops; read and interpret literary works and academic texts; write essays, narratives, and reports; and apply a range of learning strategies and research skills effectively. Students will further develop their ability to respond critically to print and media texts. *Prerequisite:* ESLDO or equivalent.

CHC2PE - Canadian History

Grade 10, Applied

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

High School Math Pathways



Please Note: It is highly recommended that a student earns 70% or more in a pre-requisite course in order to continue studying at the same level. The selection of the Grade 11 University/College (MCF 3M1) course having completed the Grade 10 applied course, should only be made upon the recommendation of your grade 10 math teacher.

COURSE SELECTION MATRIX

	GRADE 9	GRADE 10	GRADE 11	GRADE 12	GRADE 12
1	ENGLISH (ENG1D1 ENG1P1 ENG1L1)	ENGLISH (ENG2D1 ENG2P1 ENG2L1)	ENGLISH (ENG3U1 ENG3C1 ENG3E1)	ENGLISH (ENG4U1 ENG4C1 OLC4O1)	
2	MATH (MPM1D1 MFM1P1 MAT1L1)	MATH (MPM2D1 MFM2P1 MAT2L1)	MATH (MCR3U1 MCF3M1 MBF3C1 MEL3E1)	ELECTIVE	
3	SCIENCE (SNC1D1 SNC1P1 SNC1L1)	SCIENCE (SNC2D1 SNC2P1 SNC2L1)	ELECTIVE	ELECTIVE	
4	GEOGRAPHY CGC1D1 CGC1P1)	HISTORY (CHC2D1 CHC2P1)	ELECTIVE	ELECTIVE	
5	PHYS ED (PPL1OM PPL1OF PPL1OC)	CIVICS/CAREERS (CHV2O5 & GLC 2O5)	ELECTIVE	ELECTIVE	
6	FRENCH (FSF1D1 FSF1P1)	ELECTIVE	ELECTIVE	ELECTIVE	
7	ELECTIVE	ELECTIVE	ELECTIVE	SPARE	
8	ELECTIVE	ELECTIVE	ELECTIVE	SPARE	
ALTERNATE					
ALTERNATE					

NOTES:

1. Co-op courses count as 2 selections, Work Internship courses count as 4 selections.
2. You must also have at least 1 course from (can be taken in any year):
 - a. The Arts – Visual Art, Music, Dance, or Drama
 - b. Group 1 – Additional English, French, Geography, History, Family Studies, or Co-op
 - c. Group 2 – Additional Phys Ed, Art, Business, French, or Co-op
 - d. Group 3 – Grade 11 or 12 Science, Grade 9-12 Technology, French, Computers, or Co-op
3. To graduate, you require successful completion of:
 - a. 30 Total Credits (18 Compulsory Credits and 12 Elective Credits)
 - b. OSSLT Test in Grade 10
 - c. 40 Hours of Volunteer service