

VANKLEEK HILL COLLEGIATE INSTITUTE



COURSE CALENDAR 2024-2025

<https://www.facebook.com/VankleekHillCI/>
www.vci.ncdsb.on.ca

***5814 Highway 34, Vankleek Hill, Ontario K0B 1R0
(613) 678-2023***





VANKLEEK HILL COLLEGIATE INSTITUTE

5814 Highway 34

Vankleek Hill, Ontario K0B 1R0

Tel: (613) 678-2023

Fax: (855) 496-0975

Website: <http://vci.ucdsb.on.ca>

Message from the Principal

Vankleek Hill Collegiate Institute is a grade 9-12, rural public secondary school located in beautiful Vankleek Hill, Ontario. The staff at VCI provides students with excellent academic programs and innovative learning experiences while ensuring that they have the opportunity to participate in a variety of clubs and athletics. We strive to provide our students with the knowledge, skills, and character values to help them reach their full potential. All staff are committed to the Upper Canada District School Board's mission: *We prepare all students for a successful life.*

As we transition out of a pandemic, we would like all our parents and guardians to know that their child or children will receive an excellent education in a safe, caring, and inclusive learning environment where equity and well-being are our priority. We are looking forward to teaching and learning alongside our Rebels and Warriors!

Sincerely,

A handwritten signature in black ink, appearing to read "Ewen McIntosh".

Ewen McIntosh

Principal

Vankleek Hill Collegiate Institute

TABLE OF CONTENTS

SECTION I

Vankleek Hill Collegiate Institute Policies and Procedures

• Vankleek Hill Collegiate Institute’s Vision and Mission Statement	4
• Reaching Every Student	5
• Diploma Requirements	6
• Ontario Secondary School Certificate	7
• Ontario Secondary School Literacy Test	7
• Reporting Student Achievement, Community Involvement	8
• Compulsory Credits	9
• Compulsory Credits – French Immersion	10
• Course Types and Course Codes	11
• Organization of Courses, Ontario School Record (OSR)	12
• Ontario School Transcript (OST)	12
• Special Education Programs	13
• Student Services, Link Crew	14
• School Learning Commons/Computer Lab, ESL, Co-op	15
• Ontario Youth Apprenticeship Program (OYAP), Dual Credit	16
• Specialist High Skills Major (SHSM), Extra Curricular Activities	17

SECTION II - Choosing Your Courses

• Course Selection Guidelines	18
• Math and Science Prerequisite Charts	19
• 2024-2025 Course Offerings	20-21

SECTION III - COURSE DESCRIPTIONS

• Grade 9 courses	22-23
• Grade 10 courses	24-27
• Grade 11 courses	28-34
• Grade 12 courses	35-43

School Vision Statement

We will enhance and support a Healthy, Safe, Inclusive, Learning Experience where all will achieve their full POTENTIAL.

School Mission Statement

We will provide experiences to allow all to discover and achieve their full POTENTIAL.

P PREPARE
O OPPORTUNITY
T TEAMWORK
E ENABLE
N NOURISH
T TEACH
I INDEPENDENCE
A ALL INCLUSIVE
L LEARNING

Reaching Every Student

The Upper Canada District School Board, through its secondary school program, is committed to equip all students with the knowledge, skills and attitudes they need for successful outcomes – smooth transitions to the postsecondary destinations of their choice. Our schools offer educational programs that promote high standards, while providing students with learning opportunities and supports needed for success.

Successful completion of secondary education in Ontario is important and a valuable step toward postsecondary opportunities. Students may create or choose a program pathway that prepares them for direct entry to:

- Apprenticeship Programs
- College
- Community Living
- University
- The Workplace

There is value, honour and dignity in all postsecondary destinations and all sectors of employment. A student's ***Program Pathway*** is his or her educational program and reflects the goals that help motivate him or her to complete secondary school. Building a successful pathway school requires planning and is a cooperative effort involving students, parents/guardians, teachers and guidance counselors. Factors you must consider in your planning include:

- most recent levels of achievement
- preferred learning style
- strengths, interests, and abilities
- immediate educational needs

Early success in high school is essential. Statistics in Ontario show very clearly that failure in courses in grade 9 and 10 is a significant factor in students dropping out of school. Appropriate course selection and a proactive plan for success are important.

Schools in Upper Canada have a strong focus on Student Success. In each of our high schools, Classroom Teachers, Student Success Teachers, Guidance Counselors, Learning Resource Coaches and Administrators form strong teams who are dedicated to successful outcomes for all students. For our students making the transition from grade 8 to grade 9, there has never been greater attention paid to their strengths and needs, while focusing on opportunities for success.

DIPLOMA REQUIREMENTS FOR THE ONTARIO SECONDARY SCHOOL DIPLOMA

For those students beginning their high school career as of September 1, 1999 an Ontario Secondary School Diploma will be granted to a student who earns a minimum of 30 credits of 110 hours each, passes the Ontario Secondary School Literacy Test, and completes the Community Involvement Requirements.

Definition of a Credit: A credit is granted when a course of at least 110 hours (that is a regular full-semester course) is completed successfully. A partial credit may be granted for a shorter course at the discretion of the principal.

Compulsory Credits*

- 4 -----Credits in **ENGLISH** (one per grade)
- 1 -----Credit in **FRENCH AS A SECOND LANGUAGE**
- 3 -----Credits in **MATHEMATICS** (at least one in Grade Eleven or Twelve)
- 2 -----Credits in **SCIENCE**
- 1 -----Credit in **CANADIAN HISTORY**
- 1 -----Credit in **CANADIAN GEOGRAPHY**
- 1 -----Credit in **PHYSICAL AND HEALTH EDUCATION**
- 1 -----Credit in **ARTS**
- 1 -----Credit in **CIVICS AND CAREER STUDIES**
- 1 -----Credit in **ENGLISH** or **FRENCH** or **NATIVE LANGUAGE** or **CLASSICAL** or **INTERNATIONAL LANGUAGE** or **SOCIAL SCIENCE** or **WORLD STUDIES**, or **Guidance & Career Education**, or **CO-OP**
- 1 -----Credit in **MUSIC** or **ART** or **DRAMA** or **DANCE** or **BUSINESS STUDIES** or **PHYSICAL AND HEALTH EDUCATION**, or **CO-OP**
- 1 -----Credit in Grade 11 or 12 **SCIENCE** or **CO-OPERATIVE EDUCATION** or **TECHNOLOGICAL EDUCATION**
- 1----- Credit in Grade 9 or 10 **TECHNOLOGICAL EDUCATION** *(New for 2024 Grade 9 cohort)

Optional Credits *

In addition to the compulsory credits, students must earn optional credits in courses of their choice, selected from the full list of courses available in the school. Optional credits allow students to build an educational program that suits their individual interests and meets university, college, apprenticeship or work requirements.

ONTARIO SECONDARY SCHOOL CERTIFICATE

AN ONTARIO SECONDARY SCHOOL CERTIFICATE will be granted to a student who earns a minimum of 14 credits of 110 hours each.

COMPULSORY CREDITS (Total of 7)

2-----Credits in English

1-----Credit in Mathematics

1-----Credit in Science

1-----Credit in Arts or Grade 9 to 12 Technology

1-----Credit in Canadian History or Canadian Geography

1-----Credit in Physical and Health Education

OPTIONAL CREDITS (Total of 7)

In addition to the 7 compulsory credits, students must earn 7 optional credits in courses of their choice, selected from the full list of courses available in the school. Optional credits allow students to build an educational program that suits their individual interests and meets apprenticeship or work requirements.

A CERTIFICATE OF ACCOMPLISHMENT

A CERTIFICATE OF ACCOMPLISHMENT will be granted to a student who leaves school before fulfilling the requirements for the Ontario Secondary School Diploma or the Ontario Secondary School Certificate. The Certificate of Accomplishment is a way of recognizing the accomplishments of students who plan to take other kinds of further training or who plan to find employment after school. An Ontario Student Transcript will be attached to indicate what credits have been earned. A Certificate of Accomplishment will only be issued once.

THE ONTARIO SECONDARY SCHOOL LITERACY TEST (OSSLT)

All students beginning Grade 9 in the 2000-2001 school year and in subsequent years must pass the Ontario Secondary School Literacy Test to earn a Secondary School Diploma. This test is designed by the Ontario Education Quality and Accountability office.

Accommodations may be made only for students with an IEP and in accordance with EQAO policies. Students whose Individual Education Plan indicates that the student is not working towards a Secondary School Diploma may, with parental consent and the approval of the principal, be exempted from writing the test.

Students who might benefit from a deferral of the test may include students who have been identified as exceptional and students registered in English as a Second Language courses. A parent may request such a deferral.

REPORTING STUDENT ACHIEVEMENT

Student achievement must be communicated formally to students and parents by means of the Provincial Report Card, Grades 9-12. The report card provides a record of the student's achievement of the curriculum expectations in every course, at particular points in the school year or semester, in the form of a percentage grade. It also includes teachers' comments on the student's strengths and the areas in which improvement is needed, along with ways in which it might be achieved. The report card contains separate sections for recording attendance and for evaluating the student's learning skills in each course.

A final grade is recorded for each course, and a credit is granted and recorded for every course in which the student's grade is 50% or higher. The final grade for each course will be determined as follows:

- Seventy per cent of the grade will be based on assessments and evaluations conducted throughout the course.
- Thirty per cent of the grade will be based on a summative evaluation in the form of an examination, performance, essay and/or other method of evaluation suitable to the course content and administered towards the end of the course.

In all of their courses, students must be provided with numerous and varied opportunities to demonstrate the full extent of their achievement of the curriculum expectations, across all four categories of knowledge and skills

Report cards are issued twice per semester, a midterm and final report. There is also an anecdotal progress report issued at approximately six weeks into each semester followed by Parent-Teacher interviews. However, each student should constantly monitor his/her own performance and seek evaluative feedback and positive advice from his/her teachers.

NB: A medical certificate is required by the principal when any scheduled examination is missed due to illness. The principal will exercise judgment in other instances.

COMMUNITY INVOLVEMENT ACTIVITIES

As part of the diploma requirements, students must complete a minimum of 40 hours of community involvement activities during their years in the secondary school program. Students, in collaboration with their parents, will decide how they will complete the community involvement requirement. They may use their Annual Education Plan to identify possible activities they might undertake.

Community involvement activities may take place in a variety of settings (e.g. not-for-profit organizations, hospitals, informal settings, etc.). Students may not fulfill the requirement through activities that are counted towards a credit (e.g. cooperative education and work experience), through paid work, or by assuming duties normally performed by a paid employee. The requirement is to be completed outside students' normal instructional hours - that is, the activities are to take place in students' designated lunch hours, after school, on weekends, or during school holidays. Specific procedures for students regarding completion of the 40 hours will be provided by the ministry. The principal will decide whether the student has met the requirements of both the ministry and the board for these activities.

Recommended best practice for all students is to pre-approve community involvement activities with the school administration and guidance team.

COMPULSORY CREDITS

The courses which are contained in the tables below are compulsory courses. There are still 2 other compulsory courses required. See OSSD requirements on page 6.

REGULAR

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English	English	English	English
Mathematics	Mathematics	Mathematics	
Science	Science		
Canadian Geography	Civics/Career Studies		
Indigenous Art	Canadian History		
Phys-Ed			
French			<i>SPARE</i>
Technology or Business	Technology (if not taken in grade 9)		<i>SPARE</i>

SUBSTITUTIONS FOR COMPULSORY CREDITS

In order to allow flexibility in designing a student's program and to ensure that all students can qualify for the Secondary School Diploma, substitutions may be made for a limited number of compulsory credits. These courses must be selected from course offerings that meet the requirements for compulsory credits. To meet individual students' needs, the principal may replace up to four of these courses (or the equivalent in half courses) with courses that meet the compulsory credit requirements. Each substitution will be noted on the student's Ontario Student Transcript.

COMPULSORY CREDITS – French Immersion

In addition to their diploma, a student can choose to work towards a French Immersion Certificate. The certificate indicates that they've completed 10 of their high school credits entirely in the French language.

FRENCH IMMERSION

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English	English	English	English
French *	French *	French *	French *
Mathematics	Mathematics	Mathematics	
Science	Science		
Canadian Geography *	Civics/Career Studies*		
Arts	Canadian History *		
Phys-Ed *			<i>SPARE</i>
Technology			<i>SPARE</i>

* Language of instruction: French

Grades 9, 10, 11, 12 French Courses are REQUIRED and any combination of the following French courses can be used towards the required 10 French credits for the Immersion Certificate.

- CGC1DF – Canadian Geography
- CHC2DF – Canadian History
- CHV2OF/GLC2OF – Civics and Careers
- AVI2OF/AVI3MF/AVI4MF – Arts Grade 9-12
- PPL1OF/PPL2OF/PPL3OF/PPL4OF – Healthy Active Living (Phys Ed) Grade 9-12
- HSP3UF – Anthropology, Psychology, Sociology
- CO-OP Credits in a French workplace (2-4 credits in grade 11 and/or grade 12)
- French Credits Online (ex: CGF3MF – Forces of Nature , HHS4UF – Families in Canada, HSB4UF – Challenge & Change)

EXPLANATION OF COURSE CODES

Each course has a five-character identification code in which the first three characters refer to the subject, the fourth character refers to the grade or level of proficiency, the fifth character refers to the type of course. The course types are:

GRADE 9	GRADE 10	GRADES 11 / 12
W – De-streamed	D – Academic	U – University Preparation
		M – University / College Preparation
	P – Applied	C – College Preparation
	L – Essential Pathway	E – Workplace Preparation
O – Open	O – Open	O – Open

The sixth letter often dictates language of instruction for the course: ‘E’ for courses taught in English, and ‘F’/ ‘I’ for courses taught in French or the French Immersion program. Alternatively, a ‘U’ designates a course as online.

TYPES OF COURSES

Students in grade ten will choose courses from one or more of three types: academic, applied, and open.

In an **ACADEMIC COURSE**, the essential concepts of a subject are learned, and related material explored as well. Although the knowledge and skills in the subject will be developed through both theory and practical applications, the focus will be on theory and abstract thinking as a basis for future learning and problem solving.

An **APPLIED COURSE** also covers the essential concepts of a subject. Knowledge and skill will be developed through both theory and practical applications, but the focus will be on the practical applications. In applied courses, familiar, real-life situations will be used to illustrate ideas, and more opportunities will be given to experience hands-on applications of the concepts studied.

OPEN COURSES are designed to broaden students' knowledge and skills in subjects that reflect their interests and to prepare them for active and rewarding participation in society. They are not designed with the specific requirements of universities, colleges, or the workplace in mind.

PATHWAY COURSES: The Essential Pathway Program consists of a package of courses including Ministry approved locally developed courses. Admission to this program will be done in a consultative manner in discussion with the student, parents/guardians, elementary school teachers, and high school guidance/special education personnel.

THE ORGANIZATION OF COURSES

Transfer Course: A course offered to students who wish to move to another type of course in the same subject. The transfer course will consist of those learning expectations that were not included in the completed course but that are considered to be essential for success in the course to be taken. Partial credits are granted for successful completion of a transfer course over the summer.

The Credit Recovery program helps some students earn certain credits they have previously failed to achieve, as they develop the learning skills needed for academic success. Credit Recovery placement is made by the Student Success Team. The Team considers all factors that limited success in the initial program.

E-learning is Ministry initiative which offers individualized learning and engages students using the Ontario E-Learning Consortium. Course material, quizzes and assignments are provided through an internet connection. Students interact with the material, their peers and their teacher through the computer. The teacher and the other students of the course may be distanced physically by school and/or by time period within our board. Students are required to report to a designated area of the school and attend the full period just as in a regular classroom. They may also access the system after-hours from home.

Ontario School Record (OSR)

Every Ontario school keeps an official record for each student. The OSR contains achievement results, credits earned, diploma requirements completed, and other information important to the education of the student. Students and their parents may examine the contents of the OSR. These records are protected by the Education Act and the Municipal Freedom of Information and Protection of Privacy Act.

Should a student transfer to another Ontario school, the OSR is forwarded to that school upon written request by the new school. Information contained in the OSR may not be divulged to non-school personnel, except under the following conditions:

- With written consent from the parent or legal guardian of a student who either has not retired from school or who has not attained the age of 18 years, specifying what information is to be released and to whom.
- With written consent by the student if the student has attained the age of 18 years, specifying what information is to be released and to whom.
- With written consent of the person who has retired from school, specifying what information is to be released and to whom.

Ontario Student Transcript (OST)

The OST is the student's official record of credits earned and other graduation requirements completed. It is part of the Ontario Student Record (OSR). Copies of the transcript are available to students and graduates and can be requested by contacting the high school Student Services Department. In Grades 9 and 10, only successfully completed courses will be recorded on the transcript. If a student withdraws from or fails to successfully complete a Grade 9 or 10 course, no entry will be made on the transcript. In Grades 11 and 12, all courses taken by the student, whether successfully completed or not, will be recorded on the transcript. A student's final result on the Ontario Secondary School Literacy Test (to be taken in Grade 10), as well as confirmation that the student has completed the 40 hours of community involvement requirement, will also be included in the student transcript. If a student has completed all requirements for a Specialist High Skills Major, it will also be noted here.

SPECIAL EDUCATION PROGRAMS

"The Upper Canada District School Board strives to provide a range of programs and services for students with exceptional needs. A summary is provided in the "Parent Guide to Special Education and Parent Guide to Special Education (abridged)", available at the school. The Special Education Advisory Committee (SEAC) advises the board on special education matters. Information about the activities and meetings can be provided by the Superintendent. Most documents and information about special education are published on the board's website (www.ucdsb.on.ca) or for more information call 1-800-267-7131.

Vankleek Hill Collegiate Institute offers a variety of services to students who have been identified as exceptional. Placement in these programs for students with special needs is recommended by an Identification, Placement and Review Committee (IPRC). The Special Education team, in consultation with the parents/guardians will devise an Individual Education Plan (IEP) geared to meet the student's special needs. The learning experience required to meet these needs will be provided in either regular classes, Resource Room, or the System Designated Class (SDC). Our SST (Student Success Team) monitors and supports all students on an ongoing basis.

STRUCTURE OF THE SPECIAL EDUCATION PROGRAM

Vankleek Hill Collegiate Institute allows for a variety of special education supports for students who have been identified as exceptional. The regular classroom is the preferred placement for all students, however, there are incidence where flexible programming is necessary. Placement in these programs is made through recommendations from an Identification, Placement and Review Committee (IPRC). Meeting the needs of exceptional students at V.C.I. can be addressed through various modes of delivery.

If, after considering all of the information presented, the IPRC is satisfied that placement in a regular class will meet the student's needs and is consistent with the parent's preferences, the committee will decide in favour of placement in a regular class with appropriate special education services.

If the committee decides that the student should be placed in a special education class, it must state its reasons in a written statement of decision.

For students whose needs cannot be met entirely in the regular classroom, a range of placement options is available, including a:

- **Regular class with indirect support** where the student is placed in a regular class for the entire day, and the teacher receives specialized consultative services.
- **Regular class with resource assistance** where the student is placed in a regular class for most or all of the day and receives specialized instruction, individually or in a small group, within the regular classroom from a qualified special education teacher.
- **Regular class with withdrawal assistance** where the student is placed in a regular class and receives instruction outside the classroom, for less than 50% of the school day, from a qualified special education teacher.

STUDENT SERVICES

Student Services serves students, parents/guardians, and staff by providing educational counseling, career counseling and social emotional learning skills.

Educational Counseling and Instruction: This service helps students, and their parents/guardians decide on current and future secondary school programs and on post-secondary education and training opportunities.

Career Counseling and Instruction: This service helps students with their career exploration and decision making. Students are encouraged to examine their strengths and preferences and relate these to a wide range of occupations. They have access to a wide variety of career education resources in the guidance information center to meet their research needs.

Students can also visit or work in various occupations through job shadowing and work experience provided by the cooperative education program. Additionally, students regularly take part in various programs hosted by local post-secondary institutions.

Social Emotional Learning Skills: Key learning about mental health includes helping students to understand that mental health is a part of overall health and to understand the relationship among their own thoughts, emotions, and actions. Students can learn ways to care for their own mental health and to be resilient in the face of challenges.

LINK CREW

Link Crew is an interdisciplinary program that promotes the philosophy of students helping students succeed. It is a structured program that provides senior students with leadership training and opportunities as they mentor Grade 9 students in order to help facilitate the transition into secondary school. Previous experience with the program shows that the more contact a grade nine group has with a Link Leader, the more successful the grade nine students will be. The benefits for all participants include a sense of community and friendship, as well as successful transitions for new students. Our Link Crew continue to work with grade nine students as these young Rebels and Warriors make their transition into credit bearing programs.

THE SCHOOL LEARNING COMMONS AND COMPUTER LABS

The processing and use of information is important to students' success. The learning commons (library) staff ensures that all students have access to their information needs and will encourage students to read for pure enjoyment and learning. The learning commons is open for study, research, leisure reading and preparation of assignments. Students must use their student I.D. card to sign out books. These resources may be renewed unless they have been reserved by another student.

School computers have many software programs, on-line databases, and internet access available for student use. All students and parents must sign an **Internet Agreement Consent Form** before using the Internet.

The school learning commons is open Monday to Friday from 8:00 a.m. to 3:00 p.m.

English as A Second Language (ESL)

ESL programs are based on the number of students who fit the provincial criteria. These are students who have been in Canada for three years or less, and who have come to Canada from a country in which English is not the first language. These criteria exclude students who either enter Canada from an English-speaking country but cannot speak English, or who take longer than three years to acquire the language. Students are usually enrolled in a full program of mainstream courses and may receive tutorial support from an ESL instructor or peer tutor. The principal will determine whether or not a student requires extra assistance based on data gathered when a new student registers, or on a recommendation received from the classroom teachers.

Co-operative Education

Co-operative Education is a career-oriented program designed to integrate classroom theory with practical, meaningful experiences in the workplace. The program is open to all senior students and affords each the opportunity to explore career goals or interests while still in school. Co-op allows students to relate classroom instruction to the workplace; observe and operate equipment not available at school; develop job skills; gain practical experience which is essential in today's competitive job market; acquire confidence, self-reliance, appropriate expectations and attitudes in preparation for permanent employment; enhance opportunities for summer work and job placement after graduation; and enter apprenticeship and other post-secondary education programs more easily.

- Co-op courses are offered to students in grades 11 and 12. Enrolment in Co-operative Education courses is subject to timetable limitations and availability of job placements. Acceptance into the program depends in part upon an interview with the teacher monitor.
- Evaluation of each participant is a combined effort of the school monitor and workplace supervisor. The on-the-job evaluation is based on the student's reliability, initiative, and ability to work in a practical situation. The remainder is based on assignments, weekly logs, and pre-employment orientation.
- Opportunities for students interested in apprenticeships are expanding. A limited number of senior students may have placements in a skilled trade arranged to satisfy both requirements for Co-op and for Ontario Youth Apprenticeship.

The Ontario Youth Apprenticeship Program (OYAP)

OYAP combines co-op with an apprenticeship. The advantage of OYAP is that students will be registered with the Ministry of Training, Colleges, and Universities (MTCU). This means that the hours that they complete during their co-op placement will count towards their required hours to become a fully certified tradesperson. For example, you need 9000 “on the job hours” to become a plumber and if the co-op student completes 500 hours during co-op, then they will only have 8500 hours left to complete. Students are eligible if they have completed 16 credits and are at least 16 years of age. For more information visit www.oyap.com.

Dual Credit Program

Students can apply to enroll in college courses earning dual credits that count towards their OSSD and college diploma. For example, a student interested in applying to the Police Foundations Program following graduation may opt to take one of the required courses for this program while still in high school. Other examples of these courses include Personal Support Worker and Police Foundations, as well as Carpentry, Welding, Hairdressing and Automotive Service Technician.

The college courses are taught at the college campus and high school students learn alongside their college peers. A Dual Credit student typically travels to the college once a week for his/her two-to-three-hour course. Transportation to the course is the responsibility of the student. The dual credit program is available through St. Lawrence College (Cornwall campus) and Algonquin College (Ottawa campus). Students who desire learning opportunities outside of high school and who would benefit from a post-secondary experience are suitable candidates. To ease scheduling, many students take their dual credit course in conjunction with their high school co-operative education course.

This is an excellent opportunity for senior students to transition to post-secondary education while still in high school. **Applications into these programs must be planned well in advance.** For more information, please contact Student Services.

SPECIALIST HIGH SKILLS MAJOR (SHSM) – HEALTH AND WELLNESS and AGRICULTURE

The SHSM is a ministry-approved program that allows students to focus their learning on a specific economic sector while meeting the requirements for the Ontario Secondary School Diploma (OSSD). This career focused program is also designed to help prepare students to make the transition from secondary school to apprenticeship training, college, university, or the workplace. A SHSM enables students to gain sector-specific skills and knowledge in the context of engaging, career related learning environments and helps them focus on graduation and on pursuing their postsecondary goals.

Required Components for the SHSM – Health and Wellness Agriculture

1. A bundle of 9 Grade 11 and Grade 12 credits that includes:
 - i) 4 Health & Wellness/Agriculture major credits that provide sector-specific knowledge and skills
 - ii) 3 other required credits from the Ontario curriculum, in English, mathematics, and science
 - iii) 2 cooperative education credits that provide authentic learning experiences in a workplace setting, enabling students to refine, extend, apply, and practice sector-specific knowledge and skills
2. 6 sector-recognized certifications and/or training courses/programs (4 compulsory and a choice of 2 electives from a list of additional certifications and training courses/programs)
3. Experiential learning and career exploration opportunities within the sector
4. “Reach ahead” experiences connected with the student’s postsecondary pathway
5. Development of Essential Skills and work habits required in the sector, and the use of the Ontario Skills Passport (OSP) for purposes of documentation

For more information or an application form, contact our Student Services Department.

EXTRA-CURRICULAR ACTIVITIES

In addition to our academic program, there are several activities available to our students, outside of regular classes. Our athletic program offers seasonal activities, which have included soccer, volleyball, basketball, football and track and field. The kinds of programs that are offered depend upon the availability of coaches and the interest of students.

Other activities available to students include Students' Leadership Council, Yearbook Club, Prism, Art Club and School Reach. It is hoped that all students will participate in school activities, which will help to make their school year more interesting and enjoyable.

COURSE SELECTION GUIDELINES

Student Course Selection Agreement

Students indicate the courses they wish to take during the coming academic year by completing student Course Selections in “myBlueprint,” or, if needed, by hand for grade 9. On the basis of these selections, school officials construct a master timetable and staff the school. As these decisions are based on the information from the student course selections, it is imperative that this information be accurate and complete. You and your parents/guardians must therefore give careful thought to the selection of course options.

Course Changes

The transfer of a student from one course to another or from one type of course to another may be suggested by the school, student or parent. During the first ten days of Semester 1 and the first five days of Semester 2, these changes will be made with guidance counselor input. After these periods teacher, counselor, parent and principal input will be required. However, in general, students are expected to follow through with their original timetable and changes will only be made in exceptional circumstances.

Course level changes may be permitted up to and no later than 1 week following the mid semester report card. There must be a real **academic need** to change.

It is highly recommended that students carefully consider their course levels prior to formally selecting their course. Changes in mid-semester normally create academic and scheduling difficulties.

COURSES OFFERED

In the section entitled, **Course Descriptions**, are listed the courses offered at Vankleek Hill Collegiate Institute (subject to sufficient student request).

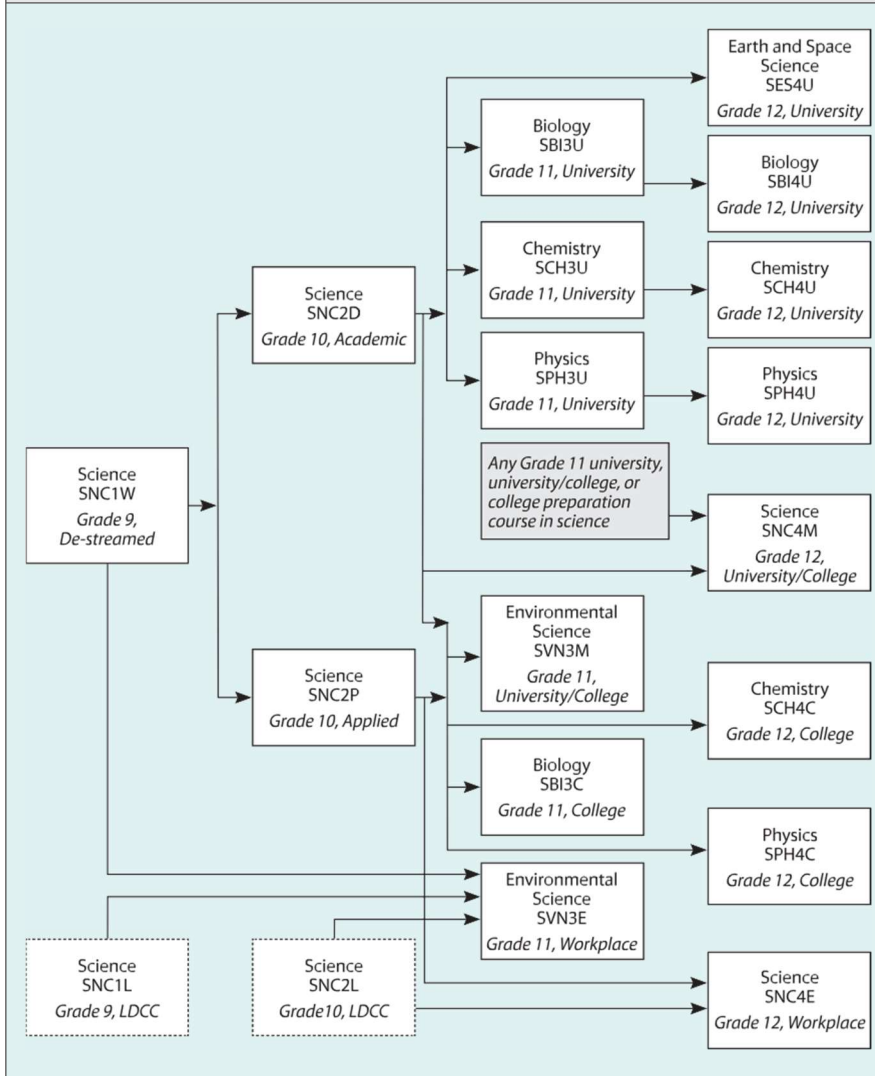
- Short descriptions of the courses are included in the course description.
- All courses offered by Vankleek Hill Collegiate Institute have been developed according to the requirements of the Ontario Ministry of Education. Detailed course outlines are available at the main office of the school and parents who wish to examine them may present their request to the principal. Courses are available through means other than regular day school. More information on these methods of delivery is available by contacting the school guidance department.

Prerequisites Courses

The Ministry Guidelines for some courses require that you complete a prerequisite course. Our Guidance Department will be able to advise you whether or not a prerequisite course is required.

Prerequisite Chart for Science, Grades 9–12

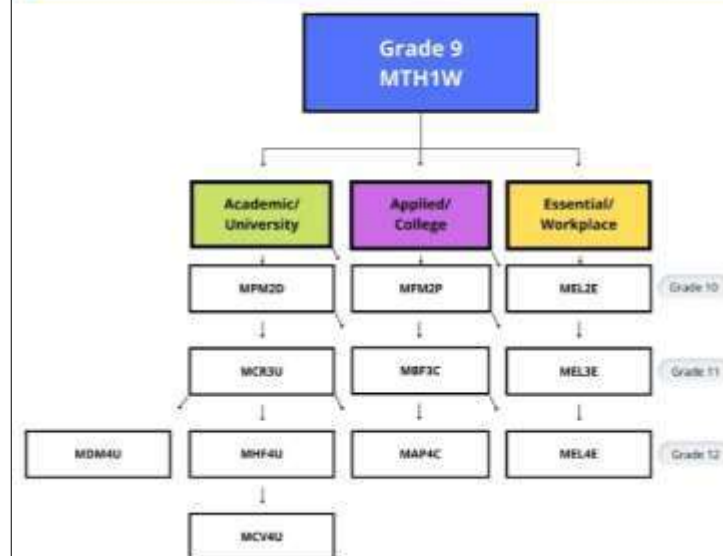
This chart maps out all the courses in the discipline and shows the links between courses and the prerequisites for them. It does not attempt to depict all possible movements from course to course.



Note: LDCC – locally developed compulsory credit course (LDCC courses are not outlined in this curriculum.)

Source: <https://www.edu.gov.on.ca>

Ontario Math Flowchart



Please note:

Courses may be offered either in person and/or online formats

Course offerings are dependent not only on school student enrollment numbers but also class enrollment minimum and maximum numbers and allowances.

2024 - 2025 COURSE OFFERINGS

Subject to sufficient enrolment.

*Some courses may be offered online based on enrolment. Courses in **bold** are offered online only at this time.*

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
DRAMA		ADA 2O	ADA3M	ADA4M
ENGLISH	ENG1W ELDBO	ENG2D ENG2P ENG 2L ELS2O	NBE3C NBE3E NBE3U EMS3O	ENG4C ENG4U OLC4O ENG4E EW4C4U
FRENCH CORE/IMMERSION	FIF/FSF 1D	FIF/FSF 2DF/FSF2P	FIF/FSF3UF	FIF/FSF4UF
MUSIC	AMU1O	AMU2O	AMU3M	AMU4M
ARTS		AVI 2O/AVI2OF ASM2O AWQ2O	AVI3M/AVI3MF AWQ3M	AVI4M/AVI4MF AWQ4M AWR4M
BUSINESS	BEM1O	BEP2O	BDI3C BMI3C BAF3M	BBB 4M BOH4M
MATHEMATICS	MTH1W MAT 1L1	MPM2D MFM2P MAT 2L1	MBF3C MCF3M MCR3U MEL3E	MAP4C MCV4U MHF4U MEL4E MDM4U
NATIVE STUDIES	NAC1O0	NAC2O0	NDA 3M0	NDG4M0
SOCIAL SCIENCES			HFC3M HFC3C HSP 3C/U/F HLS3O HNC3C HPC3O HSG3M	HFA4C HFA4U HHS 4U HSB4U/4UF HSC4M HSE4M HZT4U HIP4O
SCIENCE	SNC1W SNC 1L1	SNC2D SNC2P SNC2L	SBI3U/3C SCH3U SPH3U SVN 3E	SBI4U SCH4U/4C SPH4U/4C SNC4E SNC4M SES4U
TECHNOLOGY & COMPUTER STUDIES	TAS1O	TCJ2O TTJ2O	ICS 3U/3C TCJ3C THJ3M TTJ3C TMJ3C TPJ3M TGP3M	ICS4U/4C TCJ4C THJ4M TOJ4C TTJ 4C0 TMJ4C

CANADIAN AND WORLD STUDIES	CGC1W CGC1WF	CHV2O0 CHV2OF CHC2D CHC2DF CHC2P	CLU3M CGG30 CGF3M/3MF CHW3M	CIA4U CLN4U CGW4U CHI4U CHY4U CGR4M
GUIDANCE		GLC 2O/2OF	GWL3O	IDC4U GLS4O
PHYSICAL ED. ED. PHYSIQUE	PPL1O PPL1OF	PPL2O PPL2OF	PPL3O/3OF PPZ3O PAI3O	PPL4O/4OF PSK4U PAI4O
CO-OPERATIVE EDUCATION			COOP32 COOP42	COOP42 COOP44

Grade 9 COURSE DESCRIPTIONS

Music, Grade 9, Open

(AMU1O)

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. *Prerequisite: None*

Building the Entrepreneurial Mindset, Grade 9, Open

(BEM1O)

In this course, students will learn what makes an entrepreneur thrive and the skills required to succeed in today's business environment. Students will begin to develop their own entrepreneurial mindset, and learn why it's important to take initiative, adapt to change, find creative solutions, and understand the financial considerations of entrepreneurship. This hands-on course will use business software and applications to help students plan and develop their entrepreneurial ideas and learn how to present them to a target audience. Throughout the course, students will enhance their communications skills as well as develop and refine their project management skills, including goal setting, time management, and networking *Prerequisite: None*

Geography of Canada, Grade 9

(CGC1W/CGC1WF)

This course builds on learning in Grades 7 and 8 in geography. Students will explore relationships within and between Canada's natural and human systems and how they interconnect with other parts of the world. Students will also examine environmental and economic issues, and their impact related to topics such as natural resources and industries, careers, land use and responsible development, and sustainability. In addition, students will understand the connections that diverse communities and individuals have with the physical environment and each other throughout Canada, including First Nations, Métis, and Inuit perspectives. Students will apply geographic thinking, use the geographic inquiry process, and use geospatial technologies throughout their investigations.

English Literacy Development Grade 9

(ELDBO)

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 for a variety of purposes; develop reading strategies to understand a variety of simple texts; produce simple forms of writing; apply increasing knowledge of English grammatical structures in speaking and writing; expand their vocabulary; and develop fundamental study skills. The course will also provide opportunities for students to become familiar with and use school and community resources and to build their knowledge of Canada and diversity.

English, Grade 9

(ENG1W)

This course enables students to continue to develop and consolidate the foundational knowledge and skills that they need for reading, writing, and oral and visual communication. Throughout the course, students will continue to enhance their media literacy and critical literacy skills, and to develop and apply transferable skills, including digital literacy. Students will also make connections to their lived experiences and to society and increase their understanding of the importance of language and literacy across the curriculum.

Core French, Grade 9,

(FSF1D)

This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of French while exploring 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.

Prerequisite: Minimum of 600 hours of French instruction, or equivalent

French Immersion, Grade 9,

(FIF1D)

This course enables students to enhance their knowledge of the French language and to further develop their language skills through the study of twentieth-century North American francophone literature and culture. Students will participate in oral communication, reading, and writing activities as they study an authentic novel and selected authentic poems, legends, songs, films, and newspaper articles from French-speaking parts of North America.

Prerequisite: Minimum of 3800 hours of instruction in French, or equivalent

Grade 9 Mathematics**(MTH1W)**

This course enables students **to consolidate**, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy.

Prerequisite: None

Expressions of First Nations, Métis, and Inuit Cultures, Grade 9, Open**(NAC1O)**

This course examines Aboriginal cultures in Canada through an exploration of art forms painting, sculpture, story telling, dance, and music – created by Aboriginal artists. Students will learn to identify Aboriginal art forms and describe relationships between the art forms and Aboriginal traditions, philosophy, and culture. Students will also create their own art forms to express their understanding of Aboriginal identity, relationships, and sovereignty.

Prerequisite: None

Healthy Active Living Education, Grade 9, Open**(PPL1O/PPL1OF)**

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.

Prerequisite: None

Grade 9 Science**(SNC1W)**

This course enables students to develop their understanding of concepts related to biology, chemistry, physics, and earth and space science, and to relate science to technology, society, and the environment. Throughout the course, students will develop and refine their STEM skills as they use scientific research, scientific experimentation, and engineering design processes to investigate concepts and apply their knowledge in situations that are relevant to their lives and communities. Students will continue to develop transferable skills as they become scientifically literate global citizens.

Prerequisite: None

Technology and the Skilled Trades, Grade 9, Open**(TAS1O)**

This hands-on course enables students to further explore the engineering design process and develop other technological knowledge and skills introduced in earlier grades. Students will design and safely create prototypes, products, and/or services, working with tools and technologies from various industries. As students develop their projects to address real-life problems, they will apply technological concepts such as precision measurement, as well as health and safety standards. Students will begin to explore job skills programs and education and training pathways, including skilled trades, that can lead to a variety of careers.

Grade 10 COURSE DESCRIPTIONS

Drama, Grade 10, Open

(ADA20)

This course requires students to actively explore dramatic forms and techniques, using their own ideas and concerns as well as sources selected from a wide range of authors, genres, and cultures. Student learning will include identifying and using the principles of space, time, voice, and movement in creating, sustaining, and communicating authentic roles within a drama. Students will assume responsibility for decisions made in the creation and presentation of the drama, and will analyse and reflect on the experience. *Prerequisite: None*

Visual Arts, Grade 10, Open

(AVI20/AVI2OF)

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*

Media Arts, Grade 10, Open

(ASM20)

This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works.

Music, Grade 10, Open

(AMU200)

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

Photography, Grade 10, Open

(AWQ20)

This course introduces the students to the basics of digital photography. Students will explore the essentials of shutter speed, aperture, and resolution. They will acquire a practical knowledge of setting camera menu options, downloading images onto the computer, and digital photo-editing. Students will gain the fundamental knowledge necessary to take full advantage of the versatility of modern digital cameras. The pictures produced in this class will provide the school yearbook with a majority of its photographic content.

Launching and Leading a Business, Grade 10, Open

(BEP20)

This course introduces students to the world of business and what is required to be successful, ethical, and responsible in today's economy. Students will develop the knowledge and skills needed to be an entrepreneur who knows how to respond to local and global market opportunities. Throughout the course, students will explore and understand the responsibility of managing different functions of a business. This includes accounting, marketing, information and communication technology, financial management, human resources, and production. *Prerequisite: None*

Civics, Grade 10, Open (0.5 credit-in conjunction with GLC20/F for full credit)

(CHV20/CHV2OF)

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them. *Prerequisite: None*

Canadian History Since World War I, Grade 10, Academic

(CHC2D/CHC2DF)

This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view. *Prerequisite: None*

Canadian History Since World War I, Grade 10, Applied**(CHC2P)**

This course explores some of the pivotal events and experiences that have influenced the development of Canada's identity as a nation from World War I to the present. By examining how the country has responded to economic, social, and technological changes and how individuals and groups have contributed to Canadian culture and society during this period, students will develop their ability to make connections between historical and current events. Students will have opportunities to formulate questions, locate information, develop informed opinions, and present ideas about the central issues and events of the period.

English, Grade 10, Academic**(ENG2D)**

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

Prerequisite: Grade 9 English

Literacy Skills: Reading and Writing, Grade 10, Open**(ELS2O)**

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the Grade 11 workplace course. This course is organized into strands that develop listening and speaking, reading and viewing, and writing skills. In all strands, the focus is on developing foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students develop strategies and put into practice the processes involved in listening, speaking, reading, viewing, and writing, and reflect regularly upon their growth in these areas.

Prerequisite: None

English, Grade 10, Applied**(ENG2P)**

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

Prerequisite: Grade 9 English,

Core French, Grade 10, Academic**(FSF2D)**

This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing.

Prerequisite: Grade 9 Core French,

Core French, Grade 10, Applied**(FSF2P)**

This course emphasizes the further development of oral communication, reading, and writing skills using a broad-based theme such as adolescence. Students will expand their knowledge of French by studying a series of theme-related topics, such as students' rights and responsibilities, relationships with peers and adults, and part-time jobs.

Prerequisite: Grade 9 Core French, Academic or Applied

French Immersion, Grade 10, Academic**(FIF2D)**

This course enables students to increase their knowledge of the French language and to further develop their language skills through the study of twentieth-century European francophone literature and culture. Students will participate in oral communication, reading, and writing activities based on a variety of French literary and media works. They will study at least one novel and a selection of poems, short stories, films, plays, and newspaper and magazine articles.

Prerequisite: Grade 9 French Immersion

Career Studies, Grade 10, Open (0.5 credit-in conjunction with CHV2O/F for full credit) (GLC2O/GLC2OF)

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

Math for Everyday Life, Grade 10, (MAT2L)

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities

Principles of Mathematics, Grade 10, Academic (MPM2D)

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations 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 and communicate their thinking as they solve multi-step problems.

Prerequisite: Grade 9 Mathematics

Foundations of Mathematics, Grade 10, Applied (MFM2P)

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

Prerequisite: Grade 9 Mathematics

First Nations, Métis, and Inuit in Canada, Grade 10, Open (NAC2O/NAC2OF)

This course explores the histories of First Nations and Inuit in Canada from precontact, as well as Métis from their beginnings, to the present day. Students will examine the continuing impact of past social, cultural, economic, political, and legal trends and developments on First Nations, Métis and Inuit individuals and communities. Students will apply the concepts of historical thinking and the historical inquiry process to investigate a range of issues, events, and interactions that have affected First Nations, Métis, and Inuit individuals and communities, including those that continue to affect relations between Indigenous and non-Indigenous peoples in Canada.

Prerequisite: None

Healthy Active Living Education, Grade 10, Open (PPL2O/PPL2OF)

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices.

Prerequisite: None

Science, Grade 10, Academic (SNC2D)

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: Grade 9 Science,

Science, Grade 10, Applied**(SNC2P)**

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: Grade 9 Science

Science, Grade 10, Essential**(SNC2L)**

This course enables students to develop a deeper understanding of concepts in chemistry, physics, biology, and Earth and space science. Additionally, this course enables students to further develop their practical skills in scientific investigations and to apply their understanding of science in real-world situations

Prerequisite: Grade 9 Science,

Construction Technology, Grade 10, Open**(TCJ2O)**

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

Transportation Technology, Grade 10, Open**(TTJ2O)**

This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the transportation industry.

Prerequisite: None

Grade 11 COURSE DESCRIPTIONS

Drama, Grade 11, Open

(ADA3M)

This course requires students to actively explore dramatic forms and techniques, using their own ideas and concerns as well as sources selected from a wide range of authors, genres, and cultures. Student learning will include identifying and using the principles of space, time, voice, and movement in creating, sustaining, and communicating authentic roles within a drama. Students will assume responsibility for decisions made in the creation and presentation of the drama and will analyse and reflect on the experience.

Music, Grade 11, University/College Preparation

(AMU3M)

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

Visual Arts, Grade 11, University/College Preparation

(AVI3M/AVI3MF)

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 emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g. photography, video, computer graphics, information design).

Prerequisite: Visual Arts, Grade 9 or 10, Open

Photography, Grade 11, Mixed

(AWQ3M)

This course introduces the students to the basics of digital photography. Students will explore the essentials of shutter speed, aperture, and resolution. They will acquire a practical knowledge of setting camera menu options, downloading images onto the computer, and digital photo-editing. Students will gain the fundamental knowledge necessary to take full advantage of the versatility of modern digital cameras. The pictures produced in this class will provide the school yearbook with a majority of its photographic content.

Financial Accounting Fundamentals, Grade 11, University/College

(BAF3M)

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

Marketing: Goods, Services, Events, Grade 11, College

(BMI3C)

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.

Introduction to Entrepreneurship, Grade 11, College

(BDI3C)

Intro to Entrepreneurship (BDI3C) focuses on how entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures and achieve their goals. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

World History to the End of the Fifteenth Century, Grade 11, University/College

(CHW3M)

This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras. *Prerequisite: Grade 10 History, Academic or Applied*

Travel and Tourism, Grade 11, Open**(CGG30)**

This course discusses issues related to travel and tourism within and between various regions of the world. Throughout this course, students will investigate the unique environmental, sociocultural, economic, and political characteristics of various regions, and examine travel patterns and trends to predict future tourist destinations. They will also investigate the impact of the travel industry on natural environments and human communities.

Forces of Nature: Physical Processes and Disasters, Grade 11, University/College**(CGF3M or CGF3MF)**

In this course, students will explore physical processes related to the earth's water, land, and air. They will investigate how these processes shape the planet's natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them. Prerequisite: Issues in Canadian Geography, Grade 9, Academic or Applied

Understanding Canadian Law, Grade 11 University/College Preparation**(CLU3M)**

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of laws relating to rights and freedoms in Canada; our legal system; and family, contract, employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them.

Prerequisite: Canadian History, Grade 10, Academic or Applied

Co-operative Education, Grade 11: 2 CREDITS**(COOP32)****Co-operative Education, Grade 11 : 4 CREDITS****(COOP34)**

The cooperative education program provides opportunities for all students in secondary school, to apply, refine, and extend, in the classroom and in the context of a community outside the school, the skills and knowledge outlined in the cooperative education curriculum.

Note: If placement is primarily French, then students can earn French Immersion Credits

Introduction to Entrepreneurship, College**(BDI3C)**

Intro to Entrepreneurship (BDI3C) focuses on how entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures and achieve their goals. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

English: Media Studies, Open**(EMS30)**

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

Prerequisite: English, Grade 10, Academic or Applied

Core French, Grade 11, University**(FSF3U)**

This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

Prerequisite: Grade 10 Core French, Academic

French Immersion, Grade 11, University**(FIF3U)**

This course develops knowledge and language skills through the study of francophone literature and culture from around the world. Students will study novels, plays, poems, short stories, films, and non-fiction works and produce written assignments in a variety of forms, including critiques and précis. They will also write a formal research essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

Prerequisite: Grade 10 French Immersion

Designing Your Future, Grade 11, Open**(GWL30)**

This course prepares students to make successful transitions to postsecondary destinations as they investigate specific postsecondary options based on their skills, interests, and personal characteristics. Students will explore the realities and opportunities of the workplace and examine factors that affect success, while refining their job-search and employability skills. Students will develop their portfolios with a focus on their targeted destination and develop an action plan for future success. *Prerequisite: None*

Food and Culture, Grade 11, University/College Preparation**(HFC3M)**

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

Prerequisite: None

Housing and Home Design, Grade 11, Open**(HLS3O)**

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

Prerequisite: None

Understanding Fashion, Grade 11, College Preparation**(HNC3C)**

This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. In addition, students will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion related products. *Prerequisite: None*

Parenting, Grade 11, Open**(HPC3O)**

This course focuses on the skills and knowledge needed to promote the positive and healthy nurturing of children, with particular emphasis on the critical importance of the early years to human development. Students will learn how to meet the developmental needs of young children, communicate and discipline effectively, and guide early behaviour. They will have practical experiences with infants, toddlers, and preschoolers, and will learn skills in researching and investigating questions relating to parenting.

Prerequisite: None

Gender Studies, College/University Preparation, College/University Preparation**(HSG3M)**

This course enables students to explore the social construction of gender. Students will learn about the dynamic nature of gender roles and norms; sexism and power relations; and the impact of representations of women and men in the media, popular culture, and the arts. Students will analyze a range of gender equity issues, including gender-based violence and workplace equity, in both Canadian and global contexts. Students will develop and apply research skills and will design and implement a social action initiative relating to gender equity. *Prerequisite: None*

Introduction to Anthropology, Psychology and Sociology, College/University Preparation**(HSP3C/3U/F)**

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

Computer Studies: Introduction to Computer Programming, College Preparation**(ICS3C)**

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

Computer Studies: Introduction to Computer Science**(ICS3U)**

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields. *Prerequisite: None*

Functions and Applications, Grade 11, University/College**(MCF3M)**

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *Prerequisite: Principles of Mathematics, Grade 10, Academic, or Foundations of Mathematics, Grade 10, Applied*

Functions, Grade 11, University**(MCR3U)**

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; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *Prerequisite: Principles of Mathematics, Grade 10, Academic*

Foundations for College Mathematics, Grade 11, College**(MBF3C)**

This course enables students to broaden their understanding of mathematics as a problem solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, 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: Foundations of Mathematics, Grade 10, Applied

Mathematics for Work and Everyday Life, Grade 11, Workplace**(MEL3E)**

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. *Prerequisite: Principles of Mathematics, Grade 9, Academic, or Foundations of Mathematics, Grade 9, Applied, or a Grade 10 Mathematics LDCC (locally developed compulsory credit) course*

English: Contemporary Aboriginal Voices, Grade 11, University**(NBE3U)**

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts & media works, students will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will conduct research and analyse the information gathered; write persuasive and literary essays; and analyze the relationship between media forms and audiences. An important focus will be the further development of students' understanding of English language usage and conventions.

Prerequisite: Grade 10 English, Academic

English: Contemporary Aboriginal Voices, Grade 11, College**(NBE3C)**

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts & literary and media works and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays and analyze the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity.

Prerequisite: Grade 10 English, Academic or Applied

English: Contemporary Aboriginal Voices, Grade 11, Workplace Preparation**(NBE3E)**

This course explores themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media texts emerging from First Nations, Métis, and Inuit cultures in Canada, as well as some texts that relate to those cultures. In order to better understand contemporary texts, students will explore connections between traditional and contemporary text forms and cultural and community aspects of identity, relationships, and self-determination, sovereignty, or self-governance. Students will also create oral, written, and media texts focusing on the development of literacy, communication, and critical thinking skills necessary for success in the workplace and daily life. The course is intended to prepare students for the compulsory Grade 12 English workplace preparation course. *Prerequisite: Grade 10 English*

Contemporary First Nations, Métis, and Inuit Issues and Perspectives, Grade 11, University/College Prep.
(NDA3M)

This course explores existing and emerging issues of local, regional, and national importance to First Nations, Métis, and Inuit in Canada. Students will analyse diverse perspectives on issues and events related to land, community, governance, identity, culture, and global trends. Using the concepts of political thinking and the tools of political inquiry, students will explore their own and others' ideas and investigate issues to determine what needs to change and why. Students are also given the opportunity to develop their own problem-solving strategies to address an issue of their choice. *Prerequisite: First Nations, Métis, and Inuit in Canada, Grade 10, Open, or Canadian History, Grade 10, Academic or Applied*

Healthy Living and Individual Small Group Activities, Grade 11, Open**(PAI3O)**

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. This course will build upon skills developed in grade 10 and focus on a variety of individual, dual, and small group activities, such as skating, stick handling, passing, shooting, battle drills, and spatial awareness skills on a more complex level.

Healthy Active Living Education, Grade 11, Open**(PPL3O/PPL3OF)**

This course focuses on the development of a healthy lifestyle and participation in a variety of 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 practise goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.

Prerequisite: None

Health for Life, Grade 11, College**(PPZ3C)**

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

Prerequisite: None

Biology, Grade 11, College**(SBI3C)**

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: Grade 10 Science, Academic or Applied

Biology, Grade 11, University**(SBI3U)**

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

Prerequisite: Grade 10 Science, Academic

Chemistry, Grade 11, University**(SCH3U)**

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: Grade 10 Science, Academic*

Physics, Grade 11, University**(SPH3U)**

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

Environmental Science, Grade 11, Workplace Preparation**(SVN3E)**

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

Construction Engineering Technology, Grade 11, College**(TCJ3C)**

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 will explore career opportunities in the field. *Prerequisite: None*

Communications- Smartphone Photography, Grade 11**(TGP3M)**

Addicted to your smartphone? Use it to your advantage and learn how to increase your followers and likes by sharing lit photos you took! In this course, you'll learn the history of photography, tips for taking amazing photos with your smartphone, photo editing techniques for enhancing those photos and how to build a portfolio worthy of a college application. (Smartphones will not be provided). *Prerequisite: None*

Green Industries, Grade 11**(THJ3M)**

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 post-secondary education programs and career opportunities.

Manufacturing Technology, Grade 11, College**(TMJ3C)**

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*

Healthcare (Practical Nursing), Grade 11**(TPJ3M)**

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*

Transportation Technology, Grade 11, College**(TTJ3C)**

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

Prerequisite: None

Grade 12 COURSE DESCRIPTIONS

Drama, Grade 12, University/College Preparation

(ADA4M)

This course requires students to actively explore dramatic forms and techniques, using their own ideas and concerns as well as sources selected from a wide range of authors, genres, and cultures. Student learning will include identifying and using the principles of space, time, voice, and movement in creating, sustaining, and communicating authentic roles within a drama. Students will assume responsibility for decisions made in the creation and presentation of the drama, and will analyse and reflect on the experience.

Music, Grade 12, University/College Preparation

(AMU4M0)

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 analyse how to apply skills developed in music to their life and careers. *Prerequisite: Music, Grade 11, University/College Preparation*

Visual Arts, Grade 12, University/College Preparation

(AVI4M/AVI4MF)

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: Visual Arts, Grade 11, University/College Preparation

Film Studies, Grade 12 College/University Preparation

(AWR4M)

Love movies? This course is an introduction to the art, history, and analysis of film. Students will learn about the technical, aesthetic, and cultural elements of modern films, and will develop the skills necessary to analyze and interpret films. The course will cover a range of film movements, styles, and genres, and will consider the ways in which films reflect and shape the societies in which they are produced. *Prerequisite: none*

Photography, Grade 12, Mixed

(AWQ4M)

This course introduces the students to the basics of digital photography. Students will explore the essentials of shutter speed, aperture, and resolution. They will acquire a practical knowledge of setting camera menu options, downloading images onto the computer, and digital photo-editing. Students will gain the fundamental knowledge necessary to take full advantage of the versatility of modern digital cameras. The pictures produced in this class will provide the school yearbook with a majority of its photographic content.

Introduction to International Business, Grade 12 University/College

(BBB4M0)

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

Prerequisite: None

Business Leadership: Management Fundamentals, Grade 12, University/College

(BOH4M)

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

Prerequisite: None

Geography: The Environment and Resource Management, Grade 12**(CGR4M)**

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

Canadian and World Issues: A Geographic Analysis, Grade 12 University**(CGW4U)**

This course examines the global challenges of creating a sustainable and equitable future, focusing on current issues that illustrate these challenges. Students will investigate a range of topics, including cultural, economic, and geopolitical relationships, regional disparities in the ability to meet basic human needs, and protection of the natural environment. Students will use geotechnologies and skills of geographic inquiry and analysis to develop and communicate balanced opinions about the complex issues facing Canada and a world that is interdependent and constantly changing. *Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or social sciences and humanities.*

History: Canada- History, Identity and Culture**(CHI4U)**

This course traces the history of Canada, with a focus on the evolution of our national identity and culture as well as the identity and culture of various groups that make up Canada. Students will explore various developments and events, both national and international, from precontact to the present, and will examine various communities in Canada and how they have contributed to identity and heritage in Canada. Students will investigate the development of culture and identity, including national identity, in Canada and how and why they have changed throughout the country's history. 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 the people, events, and forces that have shaped Canada. *Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities*

Economics: Analyzing Current Economic Issues, Grade 12 University**(CIA4U)**

This course examines current Canadian and international economic issues, developments, policies, and practices from diverse perspectives. Students will explore the decisions that individuals and institutions, including governments, make in response to economic issues such as globalization, trade agreements, economic inequalities, regulation, and public spending. Students will apply the concepts of economic thinking and the economic inquiry process, as well as economic models and theories, to investigate, and develop informed opinions about, economic trade-offs, growth, and sustainability and related economic issues. *Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities*

History: World History since the Fifteenth Century**(CHY4U)**

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

Canadian and International Law, Grade 12 University Preparation**(CLN4U)**

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts. *Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities.*

Co-operative Education, Grade 12: 2 CREDITS**(COOP42)****Co-operative Education, Grade 12 : 4 CREDITS****(COOP44)**

The cooperative education program provides opportunities for all students in secondary school, to apply, refine, and extend, in the classroom and in the context of a community outside the school, the skills and knowledge outlined in the cooperative education curriculum.

Note: If placement is primarily French, then students can earn French Immersion Credits

English, Grade 12, College**(ENG4C)**

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

Prerequisite: Grade 11 English, College Preparation

English, Grade 12, University**(ENG4U)**

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

Prerequisite: Grade 11 English, University Preparation

English, Grade 12, Workplace**(ENG4E)**

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship. *Prerequisite: Grade 11 English, Workplace Preparation*

English, The Writer's Craft**(EWC4U)**

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

Prerequisite: English, Grade 11, University Preparation

Core French, Grade 12, University**(FSF4U)**

This course draws on a variety of themes to promote extensive development of French language skills. Students will consolidate their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. *Prerequisite: Grade 11 Core French, University Preparation*

French Immersion, Grade 12, University**(FIF4U)**

This course provides for extensive study of French literature and culture from the Middle Ages to the present. Students will study novels, plays, poems, films, and non-fiction works produced in various historical periods and will write a formal research paper. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. *Prerequisite: Grade 11 French Immersion*

Advanced Learning Strategies, Grade 12, Open**(GLS4O)**

This course improves students' learning and personal-management skills, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals. *Prerequisite: None*

Nutrition and Health, Grade 12 College Preparation**(HFA4C)**

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*

Nutrition and Health, Grade 12 University Preparation**(HFA4U)**

This social science course focuses on food literacy and the relationship between health and nutrition at different stages of life (healthy eating, safe food prep practices) as well as global issues and food production (food security, environmental responsibility, sustainability...) while using social science research and inquiry methods. Food literacy means knowing where food comes from, what impacts our food choices have on the environment, knowing what grows locally and what is imported, what foods are in season, and what food is healthy. *Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies*

Families in Canada, Grade 12 University Preparation**(HHS4U)**

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse 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*

Families in Canada, Grade 12, College**(HHS4C)**

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*

Personal Life Management, Grade 12, Open**(HIP4O)**

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*

Challenge and Change in Society, Grade 12 University Preparation**(HSB4U/F)**

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

World Cultures, Grade 12 University Preparation**(HSC4M)**

This course examines the nature of culture; how cultural identities are acquired, maintained, and transformed; and theories used to analyse cultures. Students will explore world cultures, with an emphasis on the analysis of religious and spiritual beliefs, art forms, and philosophy. They will study the contributions and influence of a range of cultural groups and will critically analyse issues facing ethnocultural groups within Canada and around the world. Students will develop and apply research skills and will design and implement a social action initiative relating to cultural diversity. *Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies*

Equity and Social Justice: From Theory to Practice**(HSE4M)**

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

Philosophy: Questions and Theories**(HZE4U)**

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

Computer Programming, Grade 12 College Preparation**(ICS4C)**

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: Introduction to Computer Programming, Grade 11, College Preparation*

Computer Science, Grade 12 University Preparation**(ICS4U)**

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 analyse 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: Introduction to Computer Science, Grade 11, University Preparation*

Interdisciplinary Studies, Grade 12 College/University Preparation**(IDC4C) (IDC4U)**

This course will help students develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to analyse historical innovations and exemplary research; and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will also assess their own cognitive and affective strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge.

Prerequisite: Any university or university/college preparation course

Foundations for College Mathematics, Grade 12, College**(MAP4C)**

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation, or Functions and Applications, Grade 11, University/College Preparation

Mathematics for Work and Everyday Life, Grade 12, Workplace Preparation**(MEL4E)**

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation

Calculus and Vectors, Grade 12, University**(MCV4U)**

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, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course. *Prerequisite: Note: Advanced Functions, Grade 12, University Preparation, must be taken prior to or concurrently with Calculus and Vectors.*

Mathematics of Data Management, Grade 12, University Preparation**(MDM4U)**

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analysing large amounts of information; solve problems involving probability and statistics; and carry out culminating investigation 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 Preparation, or Functions and Applications, Grade 11, University/College Preparation

Advanced Functions, Grade 12, University**(MHF4U)**

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation

Ontario Secondary School Literacy Course, Grade 12**(OLC4O)**

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

Healthy Living and Individual and Small Group Activities Grade 12 Open**(PAI4O)**

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*

Introductory Kinesiology, Grade 12, University Preparation**(PSK4U)**

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*

Healthy Active Living Education, Grade 12, Open**(PPL4O/PPL4OF)**

This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports & recreational activities that have the potential to engage students' interest throughout their lives. Students will develop & 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 & their relationships with others.

Prerequisite: None

Biology, Grade 12, University Preparation**(SBI4U)**

This course provides students with the opportunity for in-depth study of the concepts & 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: Grade 11 Biology, University Preparation

Chemistry, Grade 12, College Preparation**(SCH4C)**

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: Grade 10 Science, Academic or Applied

Chemistry, Grade 12, University Preparation**(SCH4U)**

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 Preparation

Earth and Space Science, Grade 12 University Preparation**(SES4U)**

This course develops students' understanding of Earth and its place in the universe. Students will investigate the properties of and forces in the universe and solar system and analyse techniques scientists use to generate knowledge about them. Students will closely examine the materials of Earth, its internal and surficial processes, and its geological history, and will learn how Earth's systems interact and how they have changed over time. Throughout the course, students will learn how these forces, processes, and materials affect their daily lives. The course draws on biology, chemistry, physics, and mathematics in its consideration of geological and astronomical processes that can be observed directly or inferred from other evidence. *Prerequisite: Science, Grade 10, Academic*

Science, Grade 12, University/College Preparation**(SNC4M)**

This course enables students, including those pursuing postsecondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' scientific investigation skills. *Prerequisite: Science, Grade 10, Academic, or any Grade 11 university, university/college, or college preparation course in science*

Science, Grade 12 Workplace Preparation**(SNC4E)**

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.

Prerequisite: Science, Grade 10, Applied, or a Grade 10 locally developed compulsory credit (LDCC) course in science

Physics, Grade 12 College Preparation**(SPH4C)**

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

Prerequisite: Grade 11 Physics, College or Prerequisite: Grade 10 Science, Academic or Applied

Physics, Grade 12 University Preparation**(SPH4U)**

This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data related 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 Preparation

Construction Engineering Technology, Grade 12, College**(TCJ4C)**

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 will explore career opportunities in the field.

Prerequisite: Construction Engineering Technology, Grade 11, College Preparation

Green Industries, Grade 12**(THJ4M)**

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 post-secondary education programs and career opportunities.

Manufacturing Technology, Grade 12, College**(TMJ4C)**

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

Child Development and Gerontology, Grade 12, College**(TOJ4C)**

This course enables students to examine the stages of child development and the aging process. Students will study the processes of disease and factors contributing to health and well-being in early and later life, and will develop skills required to meet the needs of children and older adults (care skills). Students will also learn about legislation governing the care of children and older adults; evaluate social and recreational activities, programs, and services for improving quality of life; and develop an awareness of health and safety issues, environmental and social issues, and career opportunities related to child care and gerontology. *Prerequisite: None*

Transportation Technology, Grade 12, College**(TTJ4C)**

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; powertrains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small-engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry. *Prerequisite: Transportation Technology, Grade 11, College Preparation*

**CONTACT US:****Telephone: (613) 678-2023****Fax: (855) 496-0975**