

# Char-Lan District High School

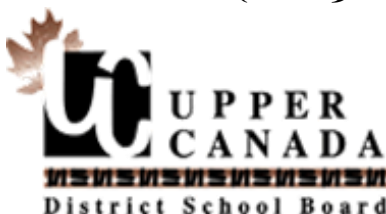


## COURSE CALENDAR 2022-2023

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We look forward to working collaboratively with the students, staff, and parents/guardians at Char-Lan District High School as we continue to strive for educational excellence, equity and inclusion, and wellness for all our students and staff.

At Char-Lan District High School we strive to promote a culture of learning: a culture that challenges our students and staff to be lifelong learners; that fosters curiosity and exploration; that cultivates inclusion and equity; that promotes critical thinking and creativity; and that connects all student learning to their own lives and their community. We are a school that learns. Our staff understands the great privilege connected to working with youth and teaching our youth to become positive contributors within our community and society. We take this privilege seriously.

As a school that learns, we as a staff will endeavour to make connections across disciplines – arts and sciences, humanities and technology. We believe that exploring these authentic connections is a pathway toward innovation, imagination, and genuine learning. Our school will continue to promote communication, collaboration, critical thinking and creativity as key tools for success in the 21<sup>st</sup> century. We have identified goals in our school improvement plan that align with the UCDSB improvement plan: 90% of students will read, write, and demonstrate number sense and operations at grade level; 100% of students will report that the school is safe and inclusive, and positively influences their mental health, wellness and sense of belonging; 90% of students will graduate within five years.

Our goals will be achieved by continued review and enhancement of our assessment practices. As a staff we continue to explore how ‘assessment for learning’ and ‘assessment as learning’ will drive student achievement and inform and guide our instruction, and enhance student engagement and understanding.

Perhaps the best way to describe what we are trying to achieve can be summed up by the UCDSB Living Credo and mission statement – “We prepare every student for a successful life in society by creating the culture and educational programs that allow our students to experience ongoing opportunity, success, and growth.”

As we learn together throughout the 2021-22 school year, the moral imperative of all UCDSB staff is to continue to do more than teach. Our role is to look inside of each student and to help attach students to their dreams. We are proud to be a part of UCDSB and its focus on student success and we are also fortunate to be able to work with such a caring, vibrant, and creative staff at our school. Here is to an amazing year ahead! Stay safe; and stay healthy.

Trevor L. Wheeler  
Principal, Char-Lan District High School

*Small enough to know you - Large enough to serve you*

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# 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/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**

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 (Total of 18)**

**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 Grade 9 to 12 TECHNOLOGY, or CO-OP**

## **Optional Credits (Total of 12)**

In addition to the 18 compulsory credits, students have to earn 12 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**

All students in Ontario must pass the Ontario Secondary School Literacy Test (or the OSSLC) in order 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 5.

### REGULAR

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English	English	English	English
Mathematics	Mathematics	Mathematics	
Science	Science		
Canadian Geography	Civics/Career Studies		
Arts	Canadian History		
Health & P E			
French			
Technology			

### FRENCH CORE/FRENCH IMMERSION

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English	English	English	English
French *	French *	French *	French *
Mathematics	Mathematics	Mathematics	Health & P E *
Science	Science	Psychology, Sociology,	COOP*
Canadian Geography *	Civics/Career Studies *	Anthropology*	
Arts	Canadian History *	Health & P E *	
Health & P E *	Health & P E *	COOP*	
Technology			

**\* Language of instruction: French**

## 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 three 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.



## TYPES OF COURSES

Students in Grades nine and 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.

## 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:

D-Academic	E-Workplace Preparation
P-Applied	M-University/College Preparation
O-Open	U-University Preparation
L-Essential Pathway	C-College Preparation

The sixth letter 'O' for courses taught in English, 'F' for courses taught in French for French as a Second Language , 'U' for courses online, "I" for courses in French online.

# 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 and 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.

# FRENCH IMMERSION AND CORE FRENCH PROGRAMS

## French as a Second Language

The FSL curriculum at CDHS is comprised of two programs: Core French and Immersion French. These programs reflect students' differing needs in studying French and are designed to provide students with different levels of intensity in developing their French-language knowledge and skills.

**Core French** is available in all grade levels, at two different levels of difficulty - applied and academic (College and University). One French credit is a compulsory credit for the OSSD.

There are two different French certificates available to students at Char-Lan District High School: **EXTENDED FRENCH CERTIFICATE (7 credits)** and **IMMERSION FRENCH CERTIFICATE (10 credits)**.

Upon graduation, all students who achieve 30 credits (compulsory & elective), who complete a minimum of 40 hours community service, and who complete the OSSLT requirement, will receive an Ontario Secondary School Diploma (OSSD), like all other Grade 12 students in Ontario. In addition to their diploma, a student can receive either an EXTENDED or IMMERSION French certificate. The certificate indicates that they have completed a specific number of high school credits entirely in the French language. The following French courses are required for both certificates: FIF1DF – Grade 9 Immersion French FIF2DF – Grade 10 Immersion French FIF3DF – Grade 11 Immersion French FIF4UF – Grade 12 Immersion French Any combination of the following French courses can be used for either 3 more credits for the Extended Certificate and 6 more credits for the Immersion Certificate. CGC1DF – Canadian Geography CHC2DF – Canadian History CHV2OF/GLC2OF – Civics and Careers PPL1OF/2OF/3OF/4OF – Healthy Active Living, Grade 9-12 HSP3UF – Anthropology, Psychology, Sociology and CO-OP Credits in a French workplace. Students are not required to take all of the French courses offered every year. In some cases, scheduling conflicts arise and students may need to decide between a compulsory credit or a pre-requisite credit for postsecondary (college or university) and a French Certificate Credit.

CDHS may grant a **certificate in Extended French** if the student has successfully completed the sequence of four courses in Immersion French and a minimum of three courses in other subjects taught in French.

## REMEDIAL AND 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](http://www.ucdsb.on.ca)) or for more information call 1-800-267-7131.

Char-Lan District High School 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 or the Resource/Special Education Room. Our SST (Student Success Team) monitors and supports all students on an ongoing basis.

## STRUCTURE OF THE SPECIAL EDUCATION PROGRAM

Char-Lan District High School allows for a variety of special education programs for students who have been identified as exceptional. Placement in these programs is made through recommendations from an Identification, Placement and Review Committee (I.P.R.C.). Meeting the needs of exceptional students at CDHS can be addressed through various modes of delivery.

### a) **MAINSTREAM**

Exceptional students are placed in this level for **CREDIT** courses as a result of an I.P.R.C. decision. The subject teachers develop an Individual Education Plan (I.E.P.) based on individual student needs.

### b) **SYSTEM DESIGNATED CLASS (SDC)**

Exceptional students are placed in this level for **NON-CREDIT** courses as a result of an I.P.R.C. decision. The subject teachers develop an Individual Education Plan (I.E.P.) based on individual student needs.

### c) **RESOURCE**

This **NON-CREDIT** level of service can be initiated by the I.P.R.C., the In-School Review Committee, teachers and/or students. At this level, however, it is expected that students will accept responsibility for seeking assistance as required. An Individual Education Plan (I.E.P.), based on modifications and strategies leading to success in the mainstream classes is developed by the subject teachers. Services include short-term support in various subject areas, study skills, organizational skills, note-taking skills, test-taking skills, as well as long-term support in specific subject areas.

Students identified exceptional through an I.P.R.C. are placed in the level of service most appropriate to assist the student in achieving success in the secondary school setting. The student's program and placement is reviewed on an annual basis by the I.P.R.C.

## **STUDENT SERVICES**

Student Services serves students, parents and staff by providing educational and career counseling.

**Educational Counseling and Instruction:** This service helps students and their parents 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.

## **LINK CREW**

Once again, CDHS has a dynamic group of student leaders this year – Link Crew. Link Crew, led by Ms. Grant, 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 Team continue to work with grade nine students as these young Crusaders make their transition into credit bearing programs. Char-Lan District High School provides excellent leadership opportunities for all of our students!

# **THE SCHOOL LEARNING COMMONS AND COMPUTER LAB**

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. The computers have many software programs, on-line databases, Internet access and printers 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 2:30 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; 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](http://www.oyap.com).

## Dual Credit Program

Students can apply to enrol 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 – 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 and 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 outside of regular classes, which are available to our students. Our athletic program offers seasonal activities, which have included soccer, volleyball, basketball, rugby 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, Band and School Reach. It is hoped that all students will participate in school activities, which will help to make their school year more interesting.

## Student Course Selection Agreement

Students indicate the courses they wish to take during the coming academic year by completing student Course Selections in “myBlueprint” for grades 10 to 12, 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 Char-Lan DHS (subject to sufficient student request).

- Short descriptions of the courses are included in the course description.
- All courses offered by Char-Lan District High School 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.

The following is a list of courses that are being offered for the 2022-2023 school year as well as the planned courses for 2023-2024 subject to change. Course descriptions follow these charts. **For more information please log into [www.myblueprint.ca](http://www.myblueprint.ca) and click on High School Planner Link.** Please note: *If the 6 character of a course code is a “U” it will be an online course - these courses are also written in bold. If the 6<sup>th</sup> character is an “F” it is offered in French. Courses with an “\*” are offered every other year.*

**2022 - 2023 COURSE OFFERINGS**  
(Subject to sufficient enrolment)

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
<b>DRAMA</b>		ADA 200	ADA 3M0	ADA 4M0
<b>ENGLISH</b>	ENG 1D0 ENG 1L1	ENG 2D0 ENG 2P0 ENG 2L1	NBE 3C0 NBE 3E0 NBE 3U0 <b>EMS 3OU</b>	ENG 4C0 ENG 4U0 OLC 400 <b>EWC 4UU</b> <b>ETS 4UU</b>
<b>FRENCH CORE/IMMERSION</b>	FIF 1DF FSF1DF	FIF 2DF FSF2DF	FIF 3UF FSF 3UF	FIF 4UF FSF 4UF
<b>MUSIC</b>		AMU 200	AMU 3M0	AMU 4M0
<b>VISUAL ARTS</b>		AVI 200 AWQ200	AVI 3M0 AWQ 3M0	AVI 4M0 AWQ4M0
<b>BUSINESS</b>		BBI 200	*BMI 3C0 BTA 300 <b>BAF 3MU</b>	*BBB 4M0 <b>BAT4MU</b>
<b>MATHEMATICS</b>	MAT 1W MAT 1L1	MPM 2D0 MFM 2P0 MAT 2L1	MBF 3C0 MCF 3M0 MCR 3U0 MEL 3E0	MAP 4C0 MCV 4U0 MHF 4U0 MEL 4E0 <b>MDM 4UU</b>
<b>NATIVE STUDIES</b>	NAC100	NAC200	NDA 3M0	NDG4M0
<b>SOCIAL SCIENCES</b>			*HSP 3MU/F <b>HLS3OU</b> <b>HPC 3OU</b> <b>HSG3MU</b>	<b>HHS 4UU/4CU</b> <b>HSB4UU</b> <b>HSC4MU</b> <b>HSE4MU</b> <b>HZT 4UU</b>
<b>SCIENCE</b>	SNC 1W SNC 1L1	SNC 2D0 SNC 2P0	SBI 3U0/3C0 SCH 3U0 SPH 3U0 *SVN 3M0	SBI 4U0 SCH 4U0/4C0 <b>SES4UU</b> *SPH 4U0/4C0 <b>SNC4MU</b>
<b>TECHNOLOGY &amp; COMPUTER STUDIES</b>	TIJ 100	TCJ 200 TTJ 200 TFJ 200	ICS 3U0 TFJ3C0 TCJ3C0 TTJ 3C0	ICS 4U0 TCJ4C0 TTJ 4C0
<b>CANADIAN AND WORLD STUDIES</b>	CGC 1D0 CGC 1DF	CHV200 CHV2OF	CLU 3M0 <b>CGG 3OU</b> <b>CGF3MU</b> <b>CHW3MU</b>	*CHY 4U0/4C0 CLN 4U0 <b>CGW 4UU</b> <b>CHI4UU</b> <b>CGR4MU</b>
<b>GUIDANCE</b>		GLC 200/2OF	GWL3OU	IDC4U0
<b>PHYSICAL ED. ED. PHYSIQUE</b>	PPL 100 PPL 1OF	PPL 200 PPL 2OF	PPL 300/3OF PAF300 <b>PPZ 3OU</b>	PAF 400/4OF PPL 400 <b>PSK 4UU</b>

**2023 - 2024 COURSE OFFERINGS (Subject to sufficient enrolment)**

<b>SUBJECT</b>	<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
<b>DRAMA</b>	ADA 100	ADA 200	ADA 3M0	ADA 4M0
<b>ENGLISH</b>	ENG 1D0 ENG 1L1	ENG 2D0 ENG 2P0 ENG 2L1	NBE 3C0 NBE 3E0 NBE 3U0 <b>EMS 3OU</b>	ENG 4C0 ENG 4U0 OLC 4O0 <b>ETS 4UU</b> <b>EWC 4UU/4CU</b>
<b>FRENCH CORE/IMMERSION</b>	FIF 1DF FSF1DF	FIF 2DF FSF2DF	FIF 3UF FSF 3UF	FIF 4UF FSF 4UF
<b>MUSIC</b>	AMU 100	AMU 200	AMU 3M0	AMU 4M0
<b>VISUAL ARTS</b>	AVI 100	AVI 200 AWQ200	AVI 3M0 AWQ 3M0	AVI 4M0 AWQ4M
<b>BUSINESS</b>		BBI 200	BTA 300 <b>BAF 3MU</b>	*BOH 4M0 <b>BAT 4MU</b>
<b>MATHEMATICS</b>	MTH 1W MAT 1L1	MPM 2D0 MFM 2P0 MAT 2L1	MBF 3C0 MCF 3M0 MCR 3U0 MEL 3E0	MAP 4C0 MCV 4U0 MHF 4U0 MEL 4E0 <b>MDM 4UU</b>
<b>NATIVE STUDIES</b>	NAC100	NAC200	NDA 3M0	NDG4M0
<b>SOCIAL SCIENCES</b>			HSP3U0/3C0 <b>HLS 3OU</b> <b>HPC 3OU</b> <b>HSG3MU</b>	<b>HHS 4UU/4CU</b> <b>HSB4UU</b> <b>HSC4MU</b> <b>HSE4MU</b> <b>HZT 4UU</b>
<b>SCIENCE</b>	SNC 1W SNC1L1	SNC 2D0 SNC 2P0	SBI 3U0 SBI 3C0 SCH 3U0 SPH 3U0	SBI 4U0 SCH 4U0/4C0 <b>SPH 4UU/4C0</b> <b>SES4UU</b> <b>SNC4MU</b>
<b>TECHNOLOGY &amp; COMPUTER STUDIES</b>	TIJ 100	TCJ 200 TTJ 200 TFJ 200	ICS 3U0/3C0 TFJ3C0 TCJ3C0 TTJ 3C0	ICS 4U0/4C0 TCJ4C0 TTJ 4C0
<b>CANADIAN AND WORLD STUDIES</b>		CHC 2D0 CHC 2P0 CHC 2DF CHV 200 CHV 2OF	CLU 3M0 <b>CGG 3OU</b> <b>CGF3MU/3MI</b> <b>CHW3MU</b>	CLN 4U0 *CPW 4U0 <b>CHI 4UU</b> <b>CGW 4UU</b> <b>CGR4MU</b>
<b>GUIDANCE</b>		GLC 200/2OF	GPP 300	IDC4U0
<b>PHYSICAL ED. ÉD. PHYSIQUE</b>	PPL 100 PPL 1OF	PPL 200 PPL 2OF	PPL 300/3OF <b>PPZ 3OU</b>	PPL 400/4OF *PSK 4U0

# GRADE 9 COURSES

(Immersion, Essentials)

## ARTS

Expressing Aboriginal Cultures, Open

NAC100

## CANADIAN AND WORLD STUDIES

Issues in Canadian Geography, Academic

CGC1D0

La Géographie du Canada, théorique

CGC1DF

## ENGLISH

English, Academic

ENG1D0

English, Literacy Skills 1, Essentials

ENG1L1

## FRENCH AS A SECOND LANGUAGE

French as a Second Language, Academic

FIF1DF

Immersion French

FSF1DF

## HEALTH and PHYSICAL EDUCATION

Healthy Active Living Education, Open, Coed - English

PPL1O0

Healthy Active Living Education, Open, Coed- French

PPL1OF

## MATHEMATICS

Mathematics

MTH1W

Mathematics

MAT1L1

## SCIENCE

Science, Academic

SNC1W

Science, Essentials

SNC1L1

## TECHNOLOGICAL EDUCATION

Exploring Technologies, Open

TIJ1O0

# Grade 9 COURSE DESCRIPTIONS

## **Issues in Canadian Geography, Grade 9**

**(CGC1D0)**

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

*Prerequisite: None*

## **English, Grade 9**

**(ENG1D0)**

This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

*Prerequisite: None*

## **Core French, Grade 9**

**(FSF1DF)**

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 steppingstones to oral and written activities.

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

## **French Immersion, Grade 9**

**(FIF1DF)**

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*

## **Mathematics, Grade 9,**

**(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. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and relevant real-world situations. Students will continue to enhance their mathematical reasoning skills, including proportional reasoning, spatial reasoning, and algebraic reasoning, as they solve problems and communicate their thinking.

*Prerequisite: None*

## **Mathematics for Everyday Living**

**(MAT1L1)**

This course provides students who have experienced difficulties in previous mathematics courses an opportunity obtain sufficient background and skill development to prepare them for Grade 11 and 12 Workplace Preparation courses. Whenever possible, ideas will be presented in a realistic context providing students with an opportunity to explore, organize, interpret, and use mathematical models to solve problems. Technology and manipulative materials will be used wherever appropriate.

*Prerequisite: None*

## **Expressing Aboriginal Cultures, Grade 9, Open**

**(NAC100)**

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

*Prerequisite: None*

**Healthy Active Living Education, Grade 9, Open****(PPL100)**

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*

**Science, Grade 9****(SNC1W)**

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop 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*

**Science, Grade 9, Essentials****(SNC1L1)**

This is an introductory course in science that will allow you to learn about the basic concepts involved in biology, chemistry, physics and scientific inquiry. Each of these topics explore a range of topics including life-sustaining processes in simple and complex organisms, properties of common materials, electrical circuits and science in daily life. The course is designed to help you develop your mathematical and scientific process skills and to continue developing your skills in reading, writing and oral language through practical and relevant science activities. You will be asked to design and conduct investigations related to the 4 topics of study allowing you to put your practical problem-solving abilities to use and to apply your knowledge of science to everyday situations. This course will provide you with considerable knowledge in science and prepare you for the next level of study and success in everyday life. If you wish to continue study science this course prepares you for the Grade 11 Workplace Preparation course.

*Prerequisite: None*

**Exploring Technologies, Grade 9, Open****(TIJ100)**

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.

*Prerequisite: None*

## **Grade 10 COURSE DESCRIPTIONS**

**Drama, Grade 10, Open****(ADA200)**

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

*Prerequisite: None*

**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*

**Visual Arts, Grade 10, Open****(AVI200)**

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*

**Photography, Grade 10, Open****(AWQ200)**

This is an introductory course where students will be exploring photo techniques, camera manipulation, composition and the art of Photography. Students will explore Gospel Values, art theory, studio, history, careers, creativity and criticism with a photographic focus. Students will also be introduced to photo manipulation in Adobe Photoshop. The creative process will be emphasized. Equipment used will include digital cameras, lights, lenses, computers and other photo related mediums.

*Prerequisite: None*

**Introduction to Business, Grade 10, Open****(BBI200)**

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

*Prerequisite: None*

**Civics, Grade 10, Open****(CHV200)**

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****(CHC2D0)**

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****(CHC2P0)**

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.

*Prerequisite: None*

**English, Grade 10, Academic****(ENG2D0)**

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, Academic or Applied*

**English, Grade 10, Applied****(ENG2P0)**

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, Academic or Applied*

**Literacy Skills: Reading and Writing, Grade 10, Essentials****(ENG2L1)**

This course is designed to help students strengthen essential reading and writing skills, providing them with the extra literacy support they need in order to graduate. Students will read informational, graphic, and literary texts, with a focus on locating information, identifying main ideas and supporting details, building vocabulary, and consolidating skills in the application of key comprehension strategies. The course will also help students develop core learning strategies.

*Prerequisite: Grade 9 English, Academic or Applied, or a Grade 9 English LDCC (locally developed compulsory credit) course*

**Core French, Grade 10, Academic****(FSF2DF)**

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, Academic or Applied*

**French Immersion, Grade 10, Academic****(FIF2DF)**

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****(GLC200)**

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*

**Principles of Mathematics, Grade 10, Academic****(MPM2D0)**

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, Academic, or Grade 9 Mathematics Transfer, Applied to Academic*

**Foundations of Mathematics, Grade 10, Applied****(MFM2P0)**

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, Academic or Applied*

**Mathematics for Everyday Living, Grade 10 Essentials****(MAT2L1)**

This course is designed to provide additional experiences in problem solving. Ideas will be presented in a realistic context providing students with an opportunity to explore, organize, interpret, and use mathematical models to solve problems. Repetition of skills and exposure to technology are key aspects of this course.

*Prerequisite: None*



**First Nations, Metis, and Inuit Peoples in Canada, Grade 10 Open****(NAC200)**

This course emphasizes historical and contemporary issues that affect the relationship between Aboriginal peoples and Canadian governments. Students will examine legal, political, social, and economic issues; key aspects of the Indian Act and its revisions that have an impact on the daily lives of Aboriginal persons; the different types of relationships that Aboriginal peoples have established with other nations throughout history; and the methodology of historical inquiry.

*Prerequisite: None*

**Healthy Active Living Education, Grade 10, Open****(PPL200)**

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****(SNC2D0)**

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, Academic or Applied*

**Science, Grade 10, Applied****(SNC2P0)**

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, Academic or Applied*

**Construction Technology, Grade 10, Open****(TCJ200)**

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*

**Hospitality and Tourism****(TFJ200)**

This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues and will explore secondary and postsecondary pathways leading to careers in the tourism industry.

*Prerequisite: None*

**Transportation Technology, Grade 10, Open****(TTJ20)**

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, University/College Preparation**

**(ADA3M0)**

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

*Prerequisite: Drama, Grade 9 or 10, Open*

## **Music, Grade 11, University/College Preparation**

**(AMU3M0)**

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 9 or 10, Open*

## **Visual Arts, Grade 11, University/College Preparation**

**(AVI3M0)**

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, University/College Preparation**

**(AWQ3M0)**

This introductory photography course enables students to further develop their knowledge and skills in the visual arts. The initial emphasis will be on the digital photographic techniques and processes. Following this the focus will be on creative applications of the photographic medium. The elements and principles of design and their importance to visual communication will be an integral component of study as they are essential to the medium of photography. Students will apply the creative process to explore a wide range of themes through studio projects using the digital medium. Students will also use the critical analysis process when evaluating their own work and the work of others.

*Prerequisite: None*

## **Financial Accounting Fundamentals, Grade 11, University/College**

**(BAF3MU)**

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*

## **Introduction to Marketing, Grade 11, College**

**(BMI3C0)**

This course introduces the fundamental concepts of marketing, with an emphasis on in-depth analysis of the influence of changes in the economy and global marketplace, trends and issues, and the impact of technology. They will develop and present a marketing plan for a specific product.

*Prerequisite: None*

## **Information Technology Applications in Business, Grade 11, Open**

**(BTA3O0)**

This course provides the opportunity to develop the information technology skills & knowledge required in a business. Covered: information tech., in a work environment, industry standard software, electronic research, explore occupations & post-secondary programs requiring info. tech.

*Prerequisite: None*

**Regional Geography: Travel & Tourism, Grade 11, Open****(CGG3OU)**

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

*Prerequisite: Grade 9 Issues in Canadian Geography, Academic or Applied*

**Forces of Nature: Physical Geography, Grade 11, University/College****(CGF3M0)**

This course examines Earth's physical patterns and processes and how they create natural disasters and can contribute to human disasters. Students will explore how physical processes related to Earth's water, land, and air, as well as interactions between these systems, can affect the planet and its people. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate Earth's natural processes, to make predictions related to natural disasters, and to create plans to prepare for and/or respond to them.

*Prerequisite: Grade 9 Issues in Canadian Geography, Academic or Applied*

**World History to the Sixteenth Century, Grade 11, University/College****(CHW3M0)**

This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyse diverse societies from around the world, with an emphasis on the political, cultural, and economic structures and historical forces that have shaped the modern world. They will apply historical inquiry, critical-thinking, and communication skills to evaluate the influence of selected individuals, groups, and innovations and to present their own conclusions.

*Prerequisite: Grade 10 Canadian History Since World War I, Academic or Applied*

**Understanding Canadian Law, Grade 11, University/College****(CLU3M0)**

This course explores legal issues that directly affect students' lives. Students will acquire a practical knowledge of Canada's legal system and learn how to analyse legal issues. Students are given opportunities to develop informed opinions on legal issues and to defend those opinions.

*Prerequisite: None*

**English, Grade 11, University****(NBE3U0)**

This course explores the themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will analyse the changing use of text forms by Indigenous authors/ creators from various periods and cultures in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course.

*Prerequisite: Grade 10 English, Academic*

**English, Grade 11, College****(NBE3C0)**

This course explores the themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course.

*Prerequisite: Grade 10 English, Applied*

**English, Grade 11, Workplace****(NBE3E0)**

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, Applied*

**Media Studies, Grade 11, Open****(EMS3OU)**

Students will learn to understand media communication in the 21st century and to use media effectively and responsibly. Through creating their own media work, they will develop critical thinking skills, and skills in viewing, representing, listening, speaking reading and writing.

*Prerequisite: None*

**Core French, Grade 11, University****(FSF3UF)**

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****(FIF3UF)**

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****(GWL3OU)**

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*

**Gender Studies, Grade 11, University/College****(HSG3MU)**

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 analyse 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*

**Parenting, Grade 11, Open****(HPC3OU)**

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*

**Introduction to Anthropology, Psychology, Sociology, Grade 11, University** (HSP3U0)

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science, and to become familiar with current thinking on a range of issues within the three disciplines.

*Prerequisite: None*

**Intro to Computer Science, Grade 11, University** (ICS3U0)

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, Grade 11, University,** (MCR3U0)

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** (MBF3C0)

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** (MEL3E0)

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*

**Current Aboriginal Issues in Canada, Grade 11, University/College** (NDA3M0)

This course focuses on existing and emerging issues of importance to Aboriginal peoples in Canada. Students will investigate issues related to identity, relationships among Aboriginal peoples and between Aboriginal peoples and other Canadians, sovereignty principles as presented by Aboriginal peoples, and the contemporary challenges posed by these issues. Students will also examine such topics as language preservation, the responsibilities of Aboriginal women and men, and the need for dialogue between Aboriginal and non-Aboriginal peoples.

*Prerequisite: Grade 10 Aboriginal Peoples in Canada, Open, or Grade 10 Canadian History Since World War I, Academic or Applied*

**Healthy Active Living Education, Grade 11, Open** (PPL3O0)

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 practice 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*

**Personal & Fitness Activities, Grade 11, Open****(PAF300)**

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 practice goal setting, decision-making, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety. Course focus includes basic weight training and aerobic related activities, such as basic and step aerobics.

*Prerequisite: None*

**Health for Life, Grade 11, Open****(PPZ30U)**

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, University****(SBI3U0)**

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*

**Biology, Grade 11, College****(SBI3C0)**

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*

**Chemistry, Grade 11, University****(SCH3U0)**

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****(SPH3U0)**

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, University/College****(SVN3M0)**

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

*Prerequisite: Grade 10 Science, Academic or Applied*

**Construction Engineering Technology, Grade 11, College****(TCJ3C0)**

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*

**Hospitality and Tourism Technology, Grade 11****(TFJ3C0)**

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry.

*Prerequisite: None*

**Transportation Technology, Grade 11, College****(TTJ3C0)**

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****(ADA4M0)**

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

*Prerequisite: Drama, Grade 11, University/College Preparation*

**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****(AVI4M0)**

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*

**Photography, Grade 12, University/College****(AWQ4M0)**

This course will focus on the refinement of skills and knowledge in photography. Students will analyse different photographic art forms and increase their understanding of changes in Western and Canadian Art and art form from around the world. Students will produce a portfolio that highlights their skill in photography as a visual art form. Emphasis will be on the demonstration of a personal style and approach to photography. Emphasis will also be placed on the different forms of photography; traditional and digital through thematic work to reflect a mastery of technique and skill.

*Prerequisite: Photography, Grade 12, University/College Preparation*

**Financial Accounting Principles, Grade 12, University/College****(BAT4MU)**

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

*Prerequisite: Financial Accounting Fundamentals, Grade 11, University/College Preparation*

**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****(BOH4M0)**

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 is also emphasized.

*Prerequisite: None*

**Canada: History , Identity and Culture, Grade 12, University****(CHI4UU)**

This course traces the history of Canada, with a focus on the evolution of our national identity and culture. 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 the development of Canadian identity and heritage. Students will develop their sense of Canada's national identity and how and why it has 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 worldstudies, English, or social sciences and humanities.*

**World History: The West & The World, Grade 12, University****(CHY4U)**

This course investigates the major trends in Western civilization and world history from the 16th century to the present. The skills & knowledge developed will enable students to understand and appreciate the character of historical change & the historical roots of contemporary issues.

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

**World History: The West and The World, Grade 12, College****(CHY4C0)**

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world.

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



**Canadian and World Issues: A Geographic Analysis, Grade 12, University** (CGW4UU)

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.*

**Environnement & Resource Management, Grade 12, University/College** (CGR4MU)

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

**Canadian and International Law, Grade 12, University** (CLN4U0)

This course explores elements of Canadian law and the role of law in social, political, and global contexts. Students will learn about the connections between the historical and philosophical sources of law and issues in contemporary society. They will also learn to analyse legal issues, conduct and independent research, and communicate the results of their inquiries in a variety of ways.

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

**Canadian & World Politics, Grade 12, University** (CPW4U0)

This course examines national and international political issues from a variety of perspectives. Students will learn about the rights and responsibilities of individuals, groups, and states within the international community; analyse the different ways in which Canada tries to settle its conflicts with other nations; and evaluate the role of nationalist and internationalist ideologies in shaping relations among states.

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

**English, Grade 12, University** (ENG4U0)

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, College** (ENG4C0)

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, Workplace** (ENG4E0)

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*

**Studies in Literature, Grade 12, University****(ETS4UU)**

This course is for students with a special interest in literature and literary criticism. They will analyse a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them.

*Prerequisite: Grade 11 English, University Preparation*

**The Writer's Craft, Grade 12, University****(EWC4UU)**

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: Grade 11 English, University Preparation*

**Ontario Secondary School Literacy Course, Grade 12, Open****(OLC400)**

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.

*Prerequisite: 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.)*

**Computer Science, Grade 12, University****(ICS4U0)**

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: Grade 11 Computer Science University Preparation*

**Core French, Grade 12, University****(FSF4U0)**

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****(FIF4U0)**

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*

**Families in Canada, Grade 12, University****(HHS4UU)**

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

**Families in Canada, Grade 12, University****(HHS4CU)**

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

**Challenge & Change in Society, University****(HSB4UU)**

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, 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, Grade 12, College and University****(HSE4MU)**

This course enables students to develop an understanding of the theoretical, social, and historical underpinnings of various equity and social justice issues and to analyse strategies for bringing about positive social change. Students will learn about historical and contemporary equity and social justice issues in Canada and globally. They will explore power relations and the impact of a variety of factors on equity and social justice. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity or social justice issue.

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

**Philosophy: Questions & Theories, Grade 12, University****(HZZ4UU)**

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

**Interdisciplinary Studies, Grade 12, University****(IDC4U0)**

Link Crew is a specially designed course to help enhance our school leader's leadership skills. Link leaders will work closely with our grade nine students to help make their first year of high school more successful. It can be used as a course to apply to university.

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

**Foundations for College Mathematics, Grade 12, College****(MAP4C0)**

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

**Advanced Functions, Grade 12, University****(MHF4U0)**

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****(MCV4U0)**

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****(MDM4UU)**

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 a 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*

**Mathematics for Work and Everyday Life, Grade 12, Workplace****(MEL4E0)**

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

*Prerequisite: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation*

**Issues of Indigenous Peoples in a Global Context, Grade 12, University/College****(NDG4M0)**

This course investigates how Aboriginal governments exercise authority and demonstrate responsibilities associated with governance in Canada. Students will explore Aboriginal world views regarding identity, relationships among Aboriginal peoples and between Aboriginal peoples and other Canadians, and Aboriginal definitions of sovereignty. Students will also compare traditional and contemporary forms of Aboriginal governance and will examine Aboriginal and Canadian relations, focusing on empowerment and the inherent right to self-government.

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

**Personal & Fitness Activities, Grade 12 Open****(PAF4O0)**

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, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety. Course focus includes advanced weight training and aerobic related activities, such as boxercise, and spin classes.

*Prerequisite: None*

**Healthy Active Living Education, Grade 12, Open****(PPL400)**

This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others.

*Prerequisite: None*

**Introductory Kinesiology, Grade 12, University****(PSK4UU)**

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 University Science*

**Biology, Grade 12, University****(SBI4U0)**

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

*Prerequisite: Grade 11 Biology, University Preparation*

**Chemistry, Grade 12, University****(SCH4U0)**

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: Grade 11 Chemistry, University Preparation*

**Chemistry, Grade 12, College****(SCH4C0)**

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*

**Earth and Space Science, Grade 12, University****(SES4UU)**

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: Any Grade 11 Science, University Preparation*

**Physics, Grade 12, University****(SPH4U0)**

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: Grade 11 Physics, University Preparation*

**Physics, Grade 12, College****(SPH4C0)**

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 10 Science, Academic or Applied*

**Construction Engineering Technology, Grade 12, College****(TCJ4C0)**

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*

**Transportation Technology, Grade 12, College****(TTJ4C0)**

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*