

L.C.V.I.

Lindsay Collegiate and Vocational Institute



Course Calendar
2026-27



LINDSAY COLLEGIATE AND VOCATIONAL INSTITUTE COURSE CALENDAR 2026 - 2027

“Achieving Excellence Today in Preparation for Tomorrow”

L.C.V.I., with its school community, is committed to providing a safe and stimulating environment, so that students will strive for academic excellence, participate in co-curricular activities, and grow into socially responsible citizens and enthusiastic life-long learners.

Table of Contents:

Ontario Secondary School Diploma	pg. 2
Community Involvement Requirement	2
Online Learning Requirement	3
Literacy Requirement	4
Ontario Secondary School Certificate	4
Certificate of Accomplishment	4
Post Secondary Pathways	5
Foundations For Independence Program	6
Experiential Learning Opportunities	6
Cooperative Education	6
Specialist High Skills Major Programs (SHSM)	6
Dual Credit	7
Ontario Youth Apprenticeship Program (OYAP)	7
Course Selection	9
Course Descriptions	
Grade 9.....	11
Grade 10	15
Grade 11	22
Grade 12	31
Helpful Internet Sites	41

Ontario Secondary School Diploma (OSSD)

The Ontario Secondary School Diploma is granted to students who have earned a minimum of 30 credits, including compulsory and optional credits, completed 40 hours of community service involvement and met the provincial literacy requirement.

Entering Grade 9 in 2023 or Earlier	Entering Grade 9 in 2024 or Later
<p>18 Compulsory Credits</p> <ul style="list-style-type: none"> • 4 credits in English (1 credit per grade) * • 3 credits in Mathematics (1 in grade 11 or 12) • 2 credits in Science • 1 credit in Canadian Geography (Grade 9) • 1 credit in Canadian History (Grade 10) • 1 credit in the Arts** • 1 credit in Health and Physical Education • 1 credit in French as a Second Language • 0.5 credit in Career Studies • 0.5 credit in Civics and Citizenship • 3 credits from each of Group 1, 2, and 3 <p>Other Requirements:</p> <ul style="list-style-type: none"> • 12 optional credits**** • OSSLT or OSSLC • 40 hours of community involvement • 2 e-learning credits 	<p>17 Compulsory Credits</p> <ul style="list-style-type: none"> • 4 credits in English (1 credit per grade) * • 3 credits in Mathematics (Grade 9, Grade 10, and 1 credit in either Grade 11 or 12) • 2 credits in Science • 1 credit in Canadian Geography (Grade 9) • 1 credit in Canadian History (Grade 10) • 1 credit in the Arts** • 1 credit in Health and Physical Education • 1 credit in French as a Second Language • 1 credit in Technological Education (Grade 9 or 10) • 0.5 credit in Career Studies • 0.5 credit in Civics and Citizenship • 1 credit from the STEM-related course group <div style="text-align: right; margin-right: 20px;"> </div>
<p>Group 1: English, French as a Second Language***, Native Languages, Native languages, FNMI Studies, classical studies and international languages, social sciences and the humanities, Canadian and world studies, guidance and career education, cooperative education</p> <p>Group 2: Health and Physical Education, the arts, business studies, French as a Second language***</p> <p>Group 3: Science (Grade 11 or 12), Technological Education, Computer Studies, French as a Second Language, Cooperative Education****</p>	<p>STEM-Related Course Group</p> <ul style="list-style-type: none"> • Business Studies • Computer Studies • Cooperative Education • Mathematics • Science • Technological Education
<p><small>*A maximum of 3 credits in ESL/EFL can count towards the 4 compulsory English; the fourth must be a Grade 12 compulsory English Course</small></p> <p><small>**Grade 11 English: Understanding Contemporary FNMI Voices can meet the grade 11 English requirement</small></p> <p><small>***Grade 9 Expressions of FNMI Cultures course can meet the credit requirement in the arts</small></p> <p><small>****A maximum of 2 FSL credits can count towards compulsory groups</small></p> <p><small>*****A maximum of 2 co-op credits can count towards compulsory credits</small></p> <p><small>*****May include up to 4 Dual Credit Courses</small></p>	<p><small>*A maximum of 3 credits in ESL/ ELD can count towards the 4 compulsory English; the fourth must be a grade 12 compulsory English course</small></p> <p><small>**Grade 11 English: Understanding Contemporary FNMI Voices can meet the grade 11 English requirement.</small></p> <p><small>***Grade 9 Expressions of FNMI Cultures course can meet the credit requirement in the arts</small></p> <p><small>*****May include up to 4 Dual Credit Courses</small></p>
<p style="text-align: center;"> LINK TO MINISTRY OSSD REQUIREMENTS</p>	

Community Involvement Requirement

Students may complete their 40 hours of community involvement during the summer months prior to Grade 9 and at any other time before their graduation. More information can be obtained by visiting <https://www.tlidsb.ca/community-involvement/>.

The activities listed below are approved by Trillium Lakelands District School Board (TLDSB) for completion of the community involvement requirement:

- Help the elderly, sick, isolated, disabled, or disadvantaged in organized settings or on an individual basis.
- Work for non-profit organizations.
- Serve as a youth leader.
- Work for service clubs, community organizations, and church groups.
- Tutor/mentor.
- Volunteer in the public sector (e.g. community policing, hospitals, schools, libraries).
- Community development and beautification of environmental concerns.

- Ambassadorship work for political parties/causes.
- Coach, referee, score keep.

Students must discuss with the principal any activities not listed above before starting a volunteer activity in order for time to count toward the total hours. Local opportunities can be found using the link <https://www.kawarthalakes.ca/en/municipal-services/volunteer.aspx>

Online Learning Requirement

Students are required to earn two online learning credits to graduate from secondary school, beginning with every student who entered Grade 9 in the 2020-21 school year. The graduation requirement is intended to support students in developing familiarity and comfort with learning and working in a fully online environment, as well as developing digital literacy and other important transferable skills that they will need for success after secondary school, including in post-secondary education and the workplace.

Selection of courses should consider future pathways, the ability and interests of the student to learn in a fully online environment and any potential supports that may be needed. Meeting the online learning graduation requirement should not pose a barrier to graduation for students. As with all learning, students taking online courses will have access to the support they need through their school, (e.g., guidance, nutrition programs, extra-curricular activities and services for English-language learners). If a student in a publicly funded school has an Individual Education Plan, the plan should be shared, when appropriate, with an educator instructing an online course delivered by another publicly funded school board, with the necessary consent. Speak with the Guidance Department if you have questions regarding the registration process.

“Online learning” courses are earned through courses that rely primarily on communication between students and educators through the internet or other digital platform. Students from the same online class may follow different timetables and be from different schools or school boards. In online learning courses delivered by schools in the publicly funded education system, coursework is teacher-led. Students complete their online coursework with the support of a certified Ontario educator with whom they communicate, and who provides instruction, ongoing feedback, assessment, evaluation and reporting as needed, including implementing any accommodations and/or modifications identified in the student’s Individual Education Plan. These courses do not generally require students to be physically present with one another or with their educator in the school, except where required for examinations and other final evaluations, occasional meetings with educators and other school staff, and access to internet connectivity, learning devices, or other supports (for example, guidance, special education and mental health and well-being supports, and required initial assessment and in-person learning for English language learners and students of Actualisation linguistique en français (ALF) or Programme d’appui aux nouveaux arrivants (PANA) at their early stages of language acquisition).

In-person courses that use digital learning tools in a physical classroom do not count towards the online graduation requirement, nor do remote learning courses that rely on a minimum requirement for synchronous learning.

Parents/guardians may choose to opt their student out of the mandatory online learning credits required for graduation. To opt out, a parent/guardian must submit an opt-out form to the school. Students 18 years of age or older, or who are 16 or 17 years of age and have withdrawn from parental control, can also opt out of the graduation requirement by submitting an opt-out form to

the school. School boards must also allow for students and parents/guardians to opt back into the online learning graduation requirement should their decision change. Please contact the school for further information on this process.

Literacy Requirement

The Ontario Secondary School Literacy Test (OSSLT) is administered by EQAO and is based on the reading and writing skills a student should have acquired by the end of Grade 9, as outlined in *The Ontario Curriculum*. These skills are the basis for learning in all subject areas throughout both elementary and secondary school. Students having an Individual Education Plan (IEP) will be able to get an accommodation which will be arranged through the Head of Special Education. An exemption may be granted to a student having an IEP that clearly indicates that he/she will not be working toward an Ontario Secondary School Diploma. Students will have an opportunity to write the test during the fall of their Grade 10 year. If students are unsuccessful, they will have the chance to write the test again during the spring and/or enroll in the Ontario Secondary School Literacy Course during their Grade 12 year. Successful completion of the test or course will be recorded on the student's Ontario Student Transcript and is a graduation requirement.

Ontario Secondary School Certificate (OSSC)

The Ontario Secondary School Certificate can be granted to students who are leaving secondary school upon reaching the age of 18 without having met the requirements for the Ontario Secondary School Diploma. To be granted an OSSC, students must have earned a minimum of fourteen credits (7 required compulsory credits and 7 required optional credits). Contact the Guidance Department for more information.

Certificate of Accomplishment (COA)

Students who leave school before fulfilling the requirements for the Ontario Secondary School Diploma or the Ontario Secondary School Certificate may be granted a Certificate of Accomplishment upon recommendation from the Principal. The COA may be a useful means of recognizing achievement for students. Contact the Guidance Department for more information.

POST SECONDARY PATHWAYS

COLLEGE

- Admission requirements vary between specific colleges and programs but in most cases, an Ontario Secondary School diploma (OSSD) is required.
- Colleges may establish program specific admission requirements.
- Check www.ontariocolleges.ca for more information.

UNIVERSITY

- Admission requirements vary between specific universities and programs but in most cases, an Ontario Secondary School Diploma (OSSD) is required.
- Students must plan to obtain at least six Grade 12 U or M credits by the end of their final year in secondary school.
- Universities may establish program specific admission requirements.
- Visit www.ontariouniversitiesinfo.ca for more information.

APPRENTICESHIP

- Apprenticeship training is a combination of on-the-job learning and in-class instruction.
- Apprentices are workers and earn a salary for the work they do and their salary increases in step with their increased knowledge and skills.
- Interested students should contact their guidance counselor to ask about the Ontario Youth Apprenticeship Program (OYAP), which allows high school students to begin their apprenticeship while still in school.

FOUNDATIONS FOR INDEPENDENCE (FFI)

The learning focus of the Foundations For Independence program is to provide students with functional and purposeful skills that will support success. It is a stepping stone towards independent living. Teaching will take place in a meaningful context; real life situations will enhance concept and skill development. Materials used to facilitate experiential learning will be largely concrete and hands-on in nature. Each student in the program will have an individual education plan, which addresses their unique educational needs and incorporates realistic, manageable, yet appropriately challenging expectations. The FFI program will address the following areas of need based on individual programming: basic living skills, social skills, functional literacy and numeracy skills and self-regulatory skills. The FFI Program may be a full-time placement for some while others may have opportunities to be integrated into mainstream classes as approved. Admission to FFI is to be arranged through the feeder school and the Head of Special Education.

EXPERIENTIAL LEARNING OPPORTUNITIES

Cooperative Education

- Cooperative Education is career exploration and gives students the opportunity for hands-on experience in a career they may choose to pursue in the future.
- The Cooperative Education Program (co-op) allows students to earn high school credits through integrated course curriculum while learning at a work placement.
- Students can earn up to a maximum of 12 credits toward their Ontario Secondary School Diploma (OSSD) through co-op.
- Grade 11 or 12 students from all pathways - apprenticeship, college, university, or workplace can participate in a 2 or 4 credit cooperative education placement.
- Benefits include: workplace experience, employability skills and work habits, hands-on learning in a safe and encouraging environment as well as establishing connections and relationships with potential future employers while helping students make informed decisions about future work, careers and education

Specialist High Skills Major Programs (SHSM)

- SHSM programs allow students to focus their learning on a specific economic sector while meeting the requirements to graduate from secondary school.
- SHSM programs allow students to identify, explore, and refine career goals and make informed decisions about their future.
- Students earn credits and gain career-relevant training that post-secondary educational institutions and the sector recognize.
- All SHSM students earn First Aid, CPR, and WHMIS certification and sector specific certifications.
- Students must complete a bundle of 8-10 specific courses including a cooperative education placement, required certifications, and reach ahead opportunities.

- Students in grade 11 or 12 from all pathways: apprenticeship, college, university, workplace can begin working on SHSM components.
- LCVI offers four Specialist High Skills Major Programs; **Business, Construction** (TCJ3CW), **Health and Wellness** (SNC4MR/IDP4UR), and **Transportation** (TTJ3CW).

Dual Credit Opportunities

- Dual credits give Grade 11 and 12 students the opportunity to sample college work in new learning environments, and gain credit in both secondary school and college.
- Two credits are recorded: one on the high school transcript, the second on the college transcript.
- Dual credits help support a successful transition to college or apprenticeship programs.
- Students may receive industry-specific certification, hands-on experience, and the opportunity to explore college life.
- Students can earn up to four optional credits through dual credits courses to help them earn their Ontario Secondary School Diploma (OSSD).
- TLDSB partners with Building Connections through Skilled Trades @ Fleming College, Frost Campus. Courses offered may include: Geotechnical Drilling, Makeup, Manicure, Introduction to Mechanical Trades, Ecosystem Skills, Criminology and Introduction to Psychology.
- See the Guidance Department to explore Dual Credit course offerings.

Ontario Youth Apprenticeship Program (OYAP)

- A co-op placement in a skilled trade is referred to as an Ontario Youth Apprenticeship Program (OYAP) placement.
- Students must be at least 15 years of age, and have completed 14 credits and be working towards the completion of all OSSD requirements to participate in OYAP.
- Placements allow students to acquire hours and skills required for that particular apprenticeship, reducing post-secondary qualification time and easing the transition from school to work.
- Hands-on learning experience is the focus while increasing the students' awareness of workplace demands, employability skills and the network for future employment.
- Any student who participates in cooperative education in a trade is an OYAP *participant*.
- Students can become registered apprentices and work towards becoming certified journeypersons in a skilled trade while completing their secondary school diploma.
- A student who signs a registered training agreement while in their co-op placement becomes an OYAP *registrant*.
- For more information contact the Cooperative Education Department or visit the Ministry of Education website: <https://www.ontario.ca/page/prepare-apprenticeship>.

OYAP LEVEL 1

- OYAP participants may apply to complete their Level 1 trade school in semester 2 of their grade 12 year.
- The application process for this program occurs in the spring of students' grade 11 year.
- Entry into the Level 1 program is highly competitive. Along with the application, course marks, experience in the trade, attendance, teacher recommendation, and an interview submission are all considered by a selection panel.

- Programs which may be offered are Automotive Service Technician, Carpenter, Cook, Electrician, Hairstylist, Millwright, Plumber, and Welder.

OYAP Fast

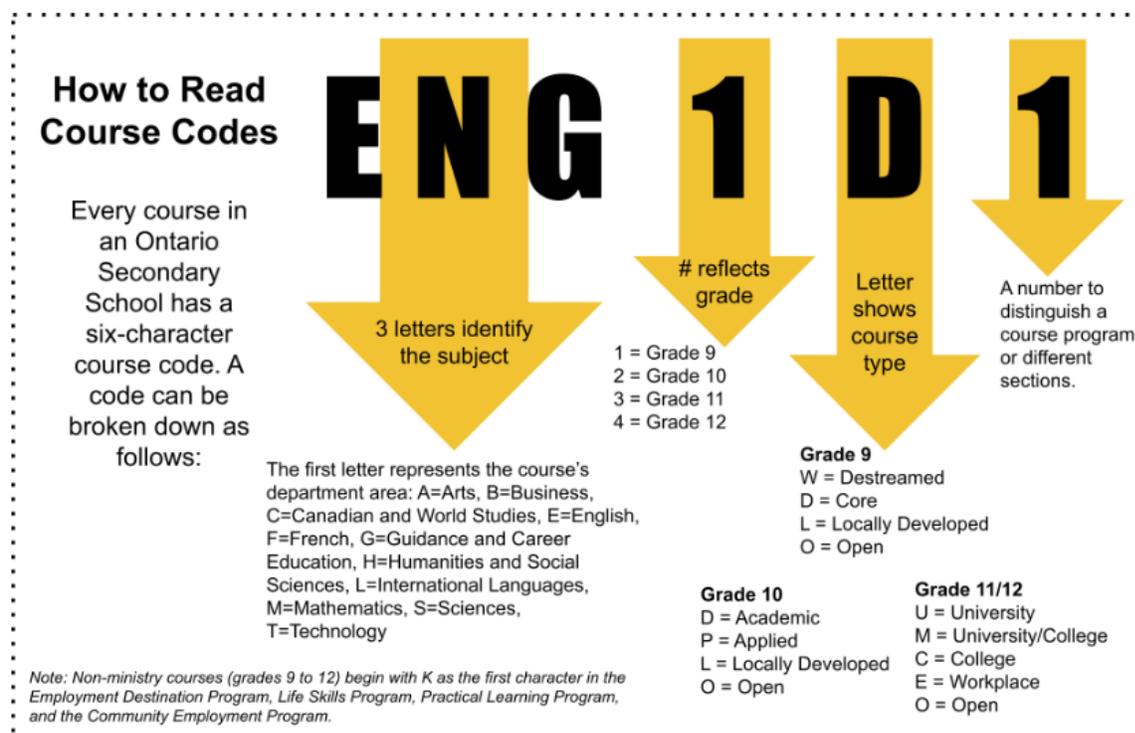
- Focused Apprenticeship Skills Training (FAST) is an accelerated stream within OYAP (OYAP-FAST) that will allow students in Grades 11 & 12 to participate in more apprenticeship learning through additional cooperative education credits while completing their OSSD.
- This program is available to TLDSB students beginning in September, 2025.
- To participate in OYAP-FAST, students must:
 - Be OYAP participants
 - Meet the OYAP eligibility requirements (15 years or older, completed 14 credits towards OSSD, and be enrolled in a secondary school or continuing education program.
 - Participate in a cooperative education program with a placement in one of the 144 skilled trades.
 - Have completed an OYAP participant application form (for all students under 18, a parent/guardian must have signed the OYAP participant application form).
 - Have parent/guardian consent to participate in OYAP-FAST, by completing this Consent to Participate in OYAP-FAST.
 - Be flagged in school student management system (SMS - Power School)
- Completion requirements for OYAP-FAST include:
 - Students have earned 8 to 11 cooperative education credits with placement components in the skilled trades.
 - Students have registered as apprentices (obtained a registered training agreement) by the time they complete their either cooperative education credit (contingent on the willingness of the employer to sign the student as an apprentice).
- Students who complete OYAP-FAST will be awarded the OYAP-FAST seal on their OSSD, and OYAP-FAST will be listed in the Specialized Program field of the Ontario Student Transcript (OST). **NOTE:** If a student has already been granted an OSSD, it cannot be exchanged for an OSSD with the OYAP-FAST seal.
- Students and parents/guardians are encouraged to research post-secondary options before applying to this program. Certain college and university programs might have prerequisite courses that would not be easily fulfilled due to timetable constraints when taking the OYAP-FAST program. Students who are in this program should be confident that they will be pursuing the apprenticeship pathway for their post secondary education. They are encouraged to connect with their guidance counselor to discuss post secondary options. For more information about the apprenticeship pathway and the skilled trades, please visit the [Skilled Trades Ontario website](#).

COURSE SELECTION

Definition of a Credit

A credit is granted in recognition of the successful completion of a course for which a minimum of 110 hours has been scheduled.

Understanding Course Codes



The courses offered by LCVI have been developed according to the requirements of the Ontario Ministry of Education.

Types of Courses in Grades 9 & 10

De-streamed courses (W) develop students' knowledge and skills through the study of theory and abstract problems. These courses focus on the core concepts of a subject and explore related concepts as well. They incorporate practical applications as appropriate.

Applied courses (P) are progressing towards the college level pathway.

Academic courses (D) are moving towards the university level pathway.

Open courses (O) are designed to prepare students for further study and to enrich their education generally. These courses comprise a set of expectations that are appropriate for all students.

Locally Developed courses (L) are designed for students moving towards the workplace pathway and are available upon recommendation of the Head of Special Education and/or the feeder school.

Types of Courses in Grades 11 & 12

NOTE: Prerequisites are specified for many of the courses offered in Grades 11 and 12. They are identified in the course descriptions included in this calendar.

University preparation courses (U) are designed to equip students with the knowledge and skills they need to meet the entrance requirements for university programs.

University/College preparation courses (M) are designed to equip students with the knowledge and skills they need to meet the entrance requirements for specific programs offered at universities and colleges.

College preparation courses (C) are designed to equip students with the knowledge and skills they need to meet the requirements for entrance to most college programs or for admission to apprenticeship or other training programs.

Workplace preparation courses (E) are designed to equip students with the knowledge and skills they need to meet the expectations of employers, if they plan to enter the workplace directly after graduation, or the requirements for admission to certain apprenticeships or other training programs.

Open courses (O) 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.

GRADE 9

Complete course descriptions can be found at <https://lcv.tldsbc.on.ca/> by clicking on the Pathways to Grad icon.

ARTS

ADA10 Drama (Open)

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

AMG10 Instrumental Music, Guitar (Open)

This course is designed for students with no or little prior knowledge of the guitar and emphasizes the creation and performance of music at a foundational level. Students develop musical literacy through the creative and critical analysis processes in composition, performance, and various analytical activities. They also explore musical conventions, practices, terminology, and the function of music in society.

AMU10 Instrumental Music (Open)

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

AVI10 Visual Arts (Open)

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

BUSINESS STUDIES

BEM10 Building the Entrepreneurial Mindset (Open)

In this course, students will learn what makes an entrepreneur thrive and the skills required to succeed in today's business environment. Students will begin to develop their own entrepreneurial mindset, and learn why it's important to take initiative, adapt to change, find creative solutions, and understand the financial considerations of entrepreneurship. This hands-on course will use business software and applications to help students plan and develop their entrepreneurial ideas and learn how to present them to a target audience. Throughout the course, students will enhance their communications skills as well as develop and refine their project management skills, including goal setting, time management, and networking.

CANADIAN & WORLD STUDIES

CGC1W Exploring Canadian Geography (De-streamed)

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

GUIDANCE & CAREER EDUCATION

GLE10 Learning Strategies 1: Skills for Success in Secondary School (Open)

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

HEALTH & PHYSICAL EDUCATION

PPL10 Healthy Active Living Education (Open)

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

LANGUAGES

ENG1L English (Locally Developed)

This course focuses on foundational literacy skills for students who need support with essential reading and writing skills. Emphasis is placed on building vocabulary, consolidating the application of comprehension strategies, and developing core learning strategies. Admission to this course will occur with consultation from the Special Education department and/or the feeder school.

ENL1W English (De-streamed)

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

FSF1D Core French (De-streamed)

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

MATHEMATICS

MAT1L Mathematics (Locally Developed)

This course focuses on foundational numeracy skills for students who need support with essential mathematical application skills. Emphasis is placed on number sense, measurement and financial literacy while developing mathematical thinking and communicating. Admission to this course will occur with consultation from the Special Education department and/or the feeder school.

MTH1W Mathematics (De-streamed)

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.

SCIENCE

SNC1L Science (Locally Developed)

This course focuses on foundational science skills for students who need support with essential inquiry skills. Emphasis is placed on building critical thinking, inquiry and scientific literacy while developing core learning strategies. Admission to this course will occur with consultation from the Special Education department and/or the feeder school.

SNC1W Science (De-streamed)

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

SOCIAL SCIENCE & HUMANITIES

HFN1O Food and Nutrition (Open)

This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.

TECHNOLOGICAL EDUCATION

TAS1OR Technology and the Skilled Trades (Open)

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

GRADE 10

Complete course descriptions can be found at <https://lcv.tldsbc.on.ca/> by clicking on the Pathways to Grad icon.

ARTS

ADA20 Drama (Open)

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

AMG20 Instrumental Music, Guitar (Open)

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will further 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 to a range of activities. They will also explore the function of music in society with reference to self, community and cultures.

AMU20 Instrumental Music (Open)

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

ATC20 Dance (Open)

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

AVI20 Visual Arts (Open)

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.

BUSINESS STUDIES

BEP20 Launching and Leading a Business (Open)

This course introduces students to the world of business and what is required to be successful, ethical, and responsible in today's economy. Students will develop the knowledge and skills needed to be an entrepreneur who knows how to respond to local and global market opportunities. Throughout the course, students will explore and understand the responsibility of managing different functions of a business. This includes accounting, marketing, information and communication technology, financial management, human resources, and production.

CANADIAN & WORLD STUDIES

CHC2D Canadian History since World War 1 (Academic)

This course explores social, economic, and political developments and events and their impact on the lives of different individuals, groups, and communities, including First Nations, Métis, and Inuit individuals and communities, in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on identities, citizenship, and heritage in Canada. Students will develop an understanding of some of the political developments and government policies that have had a lasting impact on First Nations, Métis, and Inuit individuals and communities. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

CHC2L Canadian History since World War 1 (Locally Developed)

This course focuses on the connections between the student and key people, events and themes in Canadian contemporary studies. Students will develop their historical literacy skills and critical thinking skills while focusing on the social, economic, and political developments that shaped different groups within Canada. Students analyze the impact of conflict, cooperation, and Canada's evolving role in the world, while developing skills in historical thinking to interpret evidence and understand Canadian identity. It covers events and issues from 1914 to the present and examines the contributions of individuals, organizations, and events. Admission to this course will occur with consultation from the Special Education department.

CHC2P Canadian History since World War 1 (Applied)

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada, including First Nations, Métis, and Inuit individuals and communities, since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to heritage and identities in Canada. Students will develop an understanding of some key political developments and government policies that have had an impact on First Nations, Métis, and Inuit individuals and communities. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

CHV20 Civics and Citizenship (Open)

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of political issues and developments that are both of significance in today's world and of personal interest to them. This course also includes learning on digital literacy and critical-thinking skills, the mechanisms of government, Indigenous governance systems and structures, the historical foundations of the rights and freedoms we enjoy in Canada, ways in which government policy affects individuals' lives and the economy, and ways for students to serve their communities.

Note: This is a 0.5 credit course and is taken along with GLC 20 Career Studies

GUIDANCE & CAREER EDUCATION

GLC20 Career Studies (Open)

This course gives students the opportunity to develop the skills, knowledge, and habits that will support them in their education and career/life planning. Students will learn about global work trends, and seek opportunities within the school and community to expand and strengthen their transferable skills and their ability to adapt to the changing world of work. On the basis of exploration, reflective practice, and decision-making processes, students will make connections between their skills, interests, and values and their postsecondary options, whether in apprenticeship training, college, community living, university, or the workplace. They will set goals and create a plan for their first postsecondary year. As part of their preparation for the future, they will learn about personal financial management – including the variety of saving and borrowing tools available to them and how to use them to their advantage – and develop a budget for their first year after secondary school.

Note: This is a 0.5 credit course and is taken along with CHV 20 Civics and Citizenship

GLE20 Learning Strategies: Skills for Success in Secondary School (Open)

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

HEALTH & PHYSICAL EDUCATION

PAF20R Personal and Fitness Activities (Open)

This course enables students to develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of personal physical activities such as weight training, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them.

PPL2OR Healthy Active Living (Open)

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

LANGUAGES

ENG2D English (Academic)

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

Prerequisite: ENL1W

ENG2P English (Applied)

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

Prerequisite: ENL1W

ENG2L English (Locally Developed)

This course focuses on extending foundational literacy skills for students who need support with essential reading and writing skills. Emphasis is placed on building vocabulary, on consolidating the application of comprehension strategies, on improving communication skills and on developing core learning strategies. Admission to this course will occur with consultation from the Special Education department.

Prerequisite: ENL 1W or ENG 1L

FSF2D Core French (Academic)

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

Prerequisite: FSF1D

MATHEMATICS

MAT2L Mathematics (Locally Developed)

This course enables students to strengthen foundational math skills for everyday life and the workplace, focusing on money sense, measurement, and proportional reasoning. It involves applying mathematical concepts to real-world problems, such as budgeting, estimating, and creating scaled drawings, while developing problem-solving, communication, and critical thinking skills. Admission to this course will occur with consultation from the Special Education department.

Prerequisite: MAT 1L or MTH 1W

MPM2D Principles of Mathematics (Academic)

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic 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: MTH1W

MFM2P Foundations of Mathematics (Applied)

This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, 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: MTH1WR

SCIENCE

SNC2D Science (Academic)

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter.

Prerequisite: SNC1W

SNC2L Science (Locally Developed)

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: SNC 1W or SNC 1L

SNC2P Science (Applied)

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations.

Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.

Prerequisite: SNC1W

SOCIAL SCIENCE & HUMANITIES

HIF2O Exploring Family Studies (Open)

This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.

TECHNOLOGICAL EDUCATION

TCJ2OR Construction Technology (Open)

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and post-secondary pathways leading to careers in the industry. Projects include an entry level woodworking project, cabinet design/build, and a construction project that includes framing, electrical and drywalling.

TGJ2OR Communications Technology and the Skilled Trades (Open)

This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and interactive new media and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology, and will explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

THJ2OR Green Industries and the Skilled Trades (Open)

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

TTJ2OR Transportation Technology and the Skilled Trades (Open)

This course introduces students to the service and maintenance of vehicles within the transportation industry. 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.

Complete course descriptions can be found at <https://lcv.tlds.on.ca/> by clicking on the Pathways to Grad icon.

ARTS

ADA30 Drama (Open)

This course requires students to engage in dramatic processes and the presentation of dramatic works, and emphasizes the application of drama skills in other contexts and opportunities. Students will interpret and present works in a variety of dramatic forms, create and script original works, and critically analyse the processes involved in producing drama works. Students will develop a variety of skills related to collaboration and the presentation of drama works.

Recommended: ADA1OR or ADA2OR

AMG30 Instrumental Music, Guitar (Open)

This course develops students' musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce and present original music. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their life and their careers.

Prerequisite: AMG2O

AMU3M Instrumental Music (University/College)

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

ATC30 Dance (Open)

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

AVI3M Visual Arts (University/College)

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using 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: AVI1O or AVI2O

AWP 30 Sculpture (Open)

This course emphasizes studio work in visual arts, specifically sculpture. Students will create art using the creative process, explore diverse subject matter, and evaluate art based on specific criteria and critical analysis. Through hands-on projects using hand-building, papier-mâché, wire, and carving techniques, students will develop their sculpting skills while strengthening their understanding of design elements and principles. The course also involves examining the historical and cultural contexts of art from various world cultures, including Canadian art, to connect art with society and understand specific media.

Prerequisite: AV110 or AVI 20

Note: This course will **only** be offered in the 2026/2027 school year.

BUSINESS STUDIES

BAF3M Financial Accounting Fundamentals (University/College)

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and ethics and current issues in accounting.

BDI3C Entrepreneurship: The Venture (College)

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a school-based or student-run business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

BMI3C Marketing: Goods, Services, Events (College)

This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice.

CANADIAN & WORLD STUDIES

CGG 30 Travel and Tourism: A Geographic Perspective (Open)

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

Prerequisite: CGC 1W

CHW3M World History to the End of the Fifteenth Century (University/College)

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

Prerequisite: CHC2DR or CHC2PR

Note: This course will **only** be offered in the 2026/2027 school year.

CLU3M Understanding Canadian Law (University/College)

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

Prerequisite: CHC2DR or CHC2PR

GUIDANCE & CAREER EDUCATION

GWL3OD Cooperative Education Linked to a Related Course (Open) 2 credit

This 2 credit (half day) course consists of a learning experience connected to a community and a cooperative education curriculum that incorporates relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning, including their education and career/life planning, at school and beyond, today and in the future.

GWL3OQ Cooperative Education Linked to a Related Course (Open) 4 credit

This 4 credit (full day) course consists of a learning experience connected to a community and a cooperative education curriculum that incorporates relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning, including their education and career/life planning, at school and beyond, today and in the future.

GLE3OR Advanced Learning Strategies (Open)

This course improves students' learning and personal-management skills, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals.

GPP3O Leadership and Peer Support (Open)

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

HEALTH & PHYSICAL EDUCATION

PAF30 Personal and Fitness Activities (Open)

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of personal physical activities such as weight training and strength and conditioning programs, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them.

PPL30 Healthy Active Living Education (Open)

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

LANGUAGES

NBE3U English: Understanding Contemporary First Nations, Metis, and Inuit Voices (University)

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.

Prerequisite: ENG 2D

NBE3CR English: Understanding Contemporary First Nations, Metis and Inuit Voices (College)

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.

Prerequisite: ENG2D or ENG2P

ENG3E English (Workplace)

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts

Prerequisite: ENG2P or ENG2L

FSF3U Core French (University)

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

Prerequisite: FSF2D

MATHEMATICS

MBF3C Foundations for College Mathematics (College)

This course enables students to broaden their understanding of mathematics as a problem solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, 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: MFM2P

MCF3M Functions and Applications (University/College)

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

Prerequisite: MPM2D or MFM2P

MCR3U Functions (University)

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; 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: MPM2D

MEL3ER Mathematics for Work and Everyday Life (Workplace)

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MPM1D, MFM1P or MAT2L

SCIENCE

SBI3CR Biology (College)

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

Prerequisite: SNC2D or SNC2P

SBI3U Biology (University)

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

Prerequisite: SNC2D

SCH3UR Chemistry (University)

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

Prerequisite: SNC2D

SPH3U Physics (University)

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

Prerequisite: SNC2D

HFC3E Food and Culture (Workplace)

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

HFC3M Food and Culture (University/College Preparation)

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

HPC3O Raising Healthy Children (Open)

This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.

HSP3C Introduction to Anthropology, Psychology, and Sociology (College)

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. Students will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.

HSP3U Introduction to Anthropology, Psychology, and Sociology (University)

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

Prerequisite: ENG2D or CHC2D

TCJ3C Construction Engineering Technology (College)

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

TCJ3CW Construction Engineering Technology (College) 2 Credit SHSM

This half day 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.

TGJ3M Communications Technology (University/College)

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues, and will explore college and university programs and career opportunities in the various communications technology fields.

THJ3E Green Industries (Workplace)

This course enables students to develop knowledge and skills related to agriculture, floristry, forestry, horticulture, and landscaping. Students will learn to identify a broad range of plant and animal species; examine factors that affect the growth of plants and animals and the quality of products derived from them; and develop process, design, and maintenance skills required in the green industries. Students will also learn about safe and healthy working practices, develop an awareness of environmental and societal issues related to green industry activities, and learn about apprenticeships and other postsecondary education and training opportunities, as well as employment opportunities that may be pursued directly after graduation.

TTJ3C Transportation Technology (College)

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

TTJ3CW Transportation Technology (College) 2 Credit SHSM

This 2 credit (half day) 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.

TWJ3E Custom Woodworking (Workplace)

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

Complete course descriptions can be found at <https://lcv.tdsb.on.ca/> by clicking on the Pathways to Grad icon.

ARTS**ADA4E Drama** (Workplace)

This course requires students to create, present, and analyse a variety of dramatic works relevant to the workplace. Students will build trust and collaborative skills and develop self-confidence through hands-on experience and project-based learning in drama activities. Students will also explore skills related to the study of drama that can be applied in the workplace.

Prerequisite: ADA3O

ADA4M Drama (University/College)

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other 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: ADA3O

AMU4M Instrumental Music (University/College)

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

Prerequisite: AMU3M

ATC4E Dance (Workplace)

This course enables students to develop performance and interpersonal skills through the study of dance. Students will apply the elements of dance and the tools of composition to develop a physical vocabulary that can be used to create and communicate through dance. Students will research and explain how physical, intellectual, and artistic skills developed in the dance arts are transferable to a wide range of careers and workplace environments. They will develop an understanding of practices associated with healthy living, the benefits of self-discipline, and the importance of continuing engagement in the arts.

Prerequisite: ATC 3O

AVI4M Visual Arts (University/College)

This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production. Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts.

Prerequisite: AVI3M or ASM 3M

AWD4M Visual Arts, Graphic Arts (University/College)

This course focuses on developing advanced media art skills using traditional and new technologies (like animation, multimedia, performance art) to create thematic works, analyze media's role in culture, and build portfolios for careers or postsecondary art programs, emphasizing creativity, critical thinking, digital literacy, and responsible practices. Students explore art elements, contextual influences, and use the creative/critical analysis processes to produce work reflecting contemporary issues, building skills in innovation, collaboration, and communication.

Prerequisite: AVI3M

BUSINESS STUDIES

BAT4M Financial Accounting Principles (University/College)

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

Prerequisite: BAF3M

BDV4C Entrepreneurship: Venture Planning In An Electronic Age (College)

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

BOG4E Business Leadership: Becoming a Manager (Workplace)

This course helps students prepare for managerial positions in their future careers. Students will focus on the development of core skills required to become a successful manager, including operations management, inventory control, marketing, financial planning, scheduling, and communication. Students will also explore the management challenges of hiring, training, and motivating employees, and complying with legal requirements.

BOH4M Business Leadership: Management Fundamentals (University/College)

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

IDC4O Personal Finance (Open)

This course emphasizes the development of practical skills for managing personal financial resources effectively throughout various stages of life. Students will investigate daily money-management tools, borrowing options, and the basics of wealth building. Students will explore how personal choices and current events impact the cost of living and influence the achievement of financial goals, and examine the ways emotions and marketing can influence personal financial decision-making. Through practical, hands-on activities, students will build financial literacy by studying topics such as creating personal budgets, calculating net worth, filing personal income taxes, managing credit and debt, and selecting appropriate savings and investment vehicles (e.g., stocks, RRSPs, TFSAs, mutual funds, real estate) and insurance coverage.

Prerequisite: None

IDC4U Personal Finance (University)

This course will provide students the opportunity to learn about personal financial management and investing for various stages of life. Students will investigate a variety of savings, investing and borrowing options including Canadian and International financial institutions, securities traded on the Toronto and New York stock markets, and other financial securities. Students will apply the inquiry process to develop informed opinions. Students will analyze the impact of personal decisions and world events. Personal investment topics will include: budgets, net worth, personal income taxes, credit and debt, savings and investing (stocks, RRSP, TFSA, mutual funds, real estate, etc), and insurance.

Prerequisite: Any U or M course

CANADIAN & WORLD STUDIES

CHM4E Adventures in World History (Workplace)

This course examines significant developments and events in world history from earliest times to the present. Students will explore a variety of social, cultural, economic, and political developments in different regions of the world and during different periods. In addition to investigating how conflict, religion, work, and technology have helped shape people's lives, students will examine the contributions of some significant individuals to our global heritage. Students will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating a variety of human experiences in world history

Prerequisite: CHC2D, CHC2L or CHC2P

GUIDANCE & CAREER EDUCATION

GLN4OD Cooperative Education Linked to a Related Course (Open) 2 credit

This 2 credit (half day) course consists of a learning experience connected to a community and a cooperative education curriculum that incorporates relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning, including their education and career/life planning, at school and beyond, today and in the future.

GLN4OQ Cooperative Education Linked to a Related Course (Open) 4 credit

This 4 credit (full day) course consists of a learning experience connected to a community and a cooperative education curriculum that incorporates relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning, including their education and career/life planning, at school and beyond, today and in the future.

GLE4OR Advanced Learning Strategies (Open)

This course improves students' learning and personal-management skills, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals.

HEALTH & PHYSICAL EDUCATION

PAF40 Personal and Fitness Activities (Open)

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of personal physical activities such as weight training and strength and conditioning programs, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them.

PPL40 Healthy Active Living Education (Open)

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

PSK4U Introductory Kinesiology (University)

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

Prerequisite: Any Grade 11 University or University/College Science, or Grade 11 or Grade 12 Health and Physical Education

LANGUAGES

ENG4C English (College)

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

Prerequisite: ENG3C, ENG3U, NBE3C or NBE3U

ENG4E English (Workplace)

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently.

Prerequisite: ENG3C or ENG3E

ENG4U English (University)

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

Prerequisite: ENG3U or NBE3U

FSF4U Core French (University)

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

Prerequisite: FSF3U

OLC40 Ontario Secondary School Literacy Course (Open)

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

Prerequisite: Students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once.

MATHEMATICS

MAP4C Foundations for College Mathematics (College)

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; 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: MBF3C or MCF3M

MCT4C Mathematics for College Technology (College)

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

Prerequisite: MCR3U or MCF3M

MCV4U Calculus and Vectors (University)

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, 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: taken prior to or concurrently with MHF4U

MDM4U Mathematics of Data Management (University)

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: MCR3U or MCF3M

MHF4U Advanced Functions (University)

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: MCR3U or MCT4C

MEL4E Mathematics for Work and Everyday Life (Workplace)

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs, 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: MEL3E

SCIENCE

SBI4U Biology (University)

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

Prerequisite: SBI3U

SCH4C Chemistry (College)

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

Prerequisite: SNC2D or SNC2P

SCH4U Chemistry (University)

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

Prerequisite: SCH3U

SNC4E Science (Workplace)

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

Prerequisite: SNC 2L or SNC 2P

SNC4M/IDP4U Science: Health and Wellness (University/College, University) 2 credit SHSM

This course enables students, including those pursuing postsecondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' scientific investigation skills. Students will visit Ross Memorial Hospital on various occasions to meet with professionals in different fields and work through real case studies. This is an amazing opportunity for any students interested in post-secondary programs related to nursing, medicine, pharmacy, occupational/physical therapy, lab technician, radiology, dental and speech-language.

Prerequisite: SBI3U or SBI3C

Note: Please select both SNC4MR and IDP4UR on the option sheet.

SPH4C Physics (College)

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

Prerequisite: SNC2D or SNC2P

SPH4U Physics (University)

This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data 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: SPH3U

SOCIAL SCIENCE

HFA4C Nutrition and Health (College)

This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production. Students will investigate the role of nutrition in health and disease and assess strategies for promoting food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and refine their ability to use social science research and inquiry methods to investigate topics related to nutrition and health.

Prerequisite: any university, college, or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies

HFA4U Nutrition and Health (University)

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

Prerequisite: any university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies

HHG4M Human Development Throughout the Lifespan (University/College)

This course offers a multidisciplinary approach to the study of human development throughout the lifespan. Students will learn about a range of theoretical perspectives on human development. They will examine threats to healthy development as well as protective factors that promote resilience. Students will learn about physical, cognitive, and social-emotional development from the prenatal period through old age and will develop their research and inquiry skills by investigating issues related to human development.

Prerequisite: any University, University/College, or College preparation course in Social Sciences and Humanities, English, or Canadian and World Studies

HIP4O Personal Life Management (Open)

This course focuses on preparing students for living independently and working successfully with others. Students will learn to manage their personal resources to meet their basic needs for food, clothing, and housing. They will also learn about their personal, legal, and financial responsibilities and develop and apply interpersonal skills in order to make wise and responsible personal and occupational choices.

Students will apply research and inquiry skills while investigating topics related to personal life management. The course emphasizes the achievement of expectations through practical experiences.

HSB4U Challenge and Change in Society (University)

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

Prerequisite: any University or University/College course in Social Sciences and Humanities, English, or Canadian and World Studies

HSC 4M World Cultures (University/College)

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

Prerequisite: any University or University/College course in Social Sciences and Humanities, English, or Canadian and World Studies

Note: This course will **only** be offered in the 2026/2027 school year.

TECHNOLOGICAL EDUCATION

TCJ4C Construction Engineering Technology (College)

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

Prerequisite: TCJ3C or TCJ3CW

TCJ4CW Construction Engineering Technology (College), 2 Credit

This half-day, 2 credit 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: TCJ3C or TCJ3CW

TGJ4M Communications Technology (University/College)

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

Prerequisite: TGJ3M

TTJ4C Transportation Technology (College)

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: TTJ3C or TTJ3CW

TTJ4CW Transportation Technology (College) 2 Credit

This half-day, 2 credit 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: TTJ3C or TTJ3CW

TTJ4E Transportation Technology, Vehicle Maintenance (Workplace)

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

TWJ4E Custom Woodworking (Workplace)

This course enables students to further develop knowledge and skills related to the planning, design, and construction of residential and/or commercial cabinets and furniture. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation.

Prerequisite: TWJ3E

HELPFUL INTERNET SITES

Lindsay Collegiate and Vocational Institute - <https://lcv.tlds.on.ca>

CAREER SITES

XelloStudents will log in through the Xello app in the Google Waffle or through Brightspace.

EMPLOYMENT AND JOB SEARCH TIPS

Apprenticeship Information	www.apprenticesearch.com
Tradability	www.tradability.ca
Canadian Work Info Net	www.workinfonet.ca
Human Resources Canada	www.jobbank.gc.ca
Ontario Youth Apprenticeship	www.oyap.com
Ontario Job Futures	www.ontariojobfutures.ca
Youth Resource Network of Canada	www.youth.gc.ca

POST-SECONDARY PLANNING

Discover Year	https://discoveryyear.ca
Ontario Student Assistance Program	www.osap.gov.on.ca
Ontario School Counsellors Association	www.osca.ca
Ontario Transfer Guide	ontransfer.ca
Ontario College Application Service	www.ocas.on.ca
Application Service for Ontario's Public Colleges	www.ontariocolleges.ca
Ontario University Application Centre	www.ouac.on.ca
Ontario Universities' INFO	www.ontariouniversitiesinfo.ca
Schoolfinder	www.schoolfinder.com
Schools in Canada	www.schoolsincanada.com

SCHOLARSHIPS

Canadian Scholarships	www.scholarshipscanada.com
Disability Awards	www.disabilityawards.ca
Indspire	https://indspire.ca/programs/students/bursaries-scholarships
Student Awards	www.studentawards.com
ScholarTree	https://scholartree.ca
Yconic	www.yconic.com