Stayner
Collegiate Institute

2022
COURSE
CALENDAR
2023

Stayner Collegiate Institute

About us

Stayner Collegiate Institute (SCI) in Clearview Township has strong roots in the community and has provided a quality education to students in the area for more than half a century. Our motto is Knowledge Through Hard Work. The SCI School Council, which is composed of parents, school employees, and members of the community, exemplifies the collaboration between school and its community partners.
SCI provides a variety of opportunities for students to excel in all academic pathways (College, University, Apprenticeship and Workplace) to achieve their Ontario Secondary School Diplomas (OSSD). In addition to courses within the SCI building, we provide additional opportunities to students to earn credits through:

- Online courses
- Alternative education plans
- Dual credit courses, and
- Experiential learning opportunities

Students are encouraged to meet with Guidance staff to make a personalized education plan to meet their goals for post-secondary.

The teaching staff at SCI consists of subject specialists who support students in the classroom and volunteer their time to provide extra-curricular activities for students. The characteristic that makes this school truly unique is the personal attention that every student receives. The caring adults at Stayner Collegiate continually go the extra mile to ensure everyone's high school experience is both positive and rewarding. The academic opportunities at SCI rival any school in the county, and we pride ourselves on our warm, friendly school environment. From the transition to high school to crossing the stage at graduation, SCI staff is there to support the academic, personal and mental health and well-being of each and every student.

Program highlights

- SCI became the first Gr. 7 – 12 school in SCDSB in 2018-19. Our academic program is a combination of elementary and secondary programming designed to maximize student opportunities and success.
- Specialist High Skills Majors in Environment and Construction
- Arts: Visual, Music, Drama, Digital – developing the creative and artistic strengths of our students
- Co-Operative Education and Experiential Learning – working collaboratively with the community to create prosperous relationships

STAYNER

Course selection information – timelines:

- Grade 8 course selections: Jan/Feb 2022
- Grade 9-12 course selections: Jan/Feb 2022
- Course Selection Process: Students will participate in course selection workshops, and select courses through myBlueprint.ca
- Students will not be able to make changes to their timetables past the second week of classes in September each year (except in extenuating circumstances)

Daily schedule

The timetable for students at SCI is organized into two semesters, each with approx. 92 instructional days for a total of 184 days in accordance with Ministry of Education requirements. Semester 1 typically starts after Labour Day in September and ends at the end of January. Semester 2 runs from February through the end of June. Classes are 75 minutes in length. The daily schedule includes a one hour lunch and is structured as follows:

Period 1	8:25 – 9:40 am
Period 2	9:45 – 11:00 am
Lunch	11:00 – 12:00 noon
Period 3	12:00 – 1:15 pm
Period 4	1:20 – 2:35 pm

Reporting Student Progress

Student progress is reported three times during each semester. A Progress Report is sent home approx. 6 weeks into the semester and gives teachers the opportunity to communicate with parents about student work habits that are contributing to their early success in the courses. Parent/Guardian – Teacher Interviews take place the week after Progress Reports go home. An official Report Card is issued at mid-term (approx. 10 weeks in) and at the end of semester. This report includes a percentage grade, an indication of student work habits, and comments that discuss students' achievement of curriculum expectations and next steps for success. The date of each reporting period will be communicated on the official Board calendar once finalized each year.

Expectations of All Students

It is our expectation that all students will work diligently toward the goal of earning an OSSD (Ontario Secondary School Diploma). As outlined above, we have the programs and supports in place to help students along the way, but the final determination regarding student success lies with the student. Students are required by law to be in attendance at school until they reach the age of 18 or have obtained an OSSD. While in attendance at Stayner Collegiate Institute, it is expected that all students will adhere to the Student Code of Conduct and the Board Safe Schools policy. In order to maximize success in all programs, regular attendance is strongly recommended.

For additional information, policies and procedures, please visit www.scdsb.on.ca/secondary.

STAYNER CI - CONDENSED CALENDAR

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ARTS				
Drama (Open) Drama (University/College)	ADA1O	ADA2O	 ADA3M	 ADA4M
Music – Instrumental (Open) Music – Instrumental (University/College)	AMI1O	AMI2O	 AMI3M	 AMI4M
Visual Arts (Open) Visual Arts (University/College)	AVI1O	AVI2O	AVI3O AVI3M	 AVI4M
Media Arts - Photography(Open)			AWQ3O	
Media Arts - Urban Art(Open)		AWT2O		
Media Arts – Yearbook (University/College)				AWE4M

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
BUSINESS				
Info. and Comm. Technology (Open)	BTT1O [A2]	BTT2O [A2]		
Introduction to Business (Open)	BBI1O [A1]	BBI2O [A1]		
Financial Accounting Fundamentals (University/College)			BAF3M	
Marketing: Goods, Services, Events (College)			BMI3C	
Entrepreneurial Studies: Venture Planning (College)				BDV4C
International Business Fundamentals (Univ./College)				BBB4MV

[A1]ALTERNATING- Course will be available in 2022/2023, and then again in 2024/2025.
[A2]ALTERNATING- Course will be available in 2023/2024, and then again in 2025/2026.

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
CANADIAN & WORLD STUDIES				
Issues in Canadian Geography Travel and Tourism: A Geographic Perspective (Open) Forces of Nature: Physical Processes and Disasters(Univ./College)	CGC1D		 CGG3O1 CGF3M1	
Canadian History since World War I (Academic) Canadian History since World War I (Applied) Canadian History since World War I (Locally developed)		CHC2D CHC2P CHC2L		
Civics and Citizenship (half credit taken with a half Careers)(Open)		CHV2OH		
American History (University)			CHA3U	
World History to the End of the Fifteenth Century (Univ./College) World History since the Fifteenth Century (College) World History since the Fifteenth Century (University)			CHW3M	 CHY4C CHY4U
Understanding Law (Univ./College)			CLU3M	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
COMPUTER STUDIES				
Introduction to Computer Studies (Open)		ICS2O		
Introduction to Computer Programming (College) Introduction to Computer Science (University)			ICS3C ICS3U	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
CO-OPERATIVE EDUCATION				
Designing Your Future (2 credits) (Open)			GWL3O2	
Navigating The Workplace (4 credits) (Open)				GLN4O4

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ENGLISH				
English English (Academic) English (Applied) English (Locally Developed)	ENG1D ENG1L	 ENG2D ENG2P ENG2L		
English (College) English (University) English (Workplace)			NBE3C NBE3U NBE3E	ENG4C ENG4U ENG4E
Ontario Literacy Course (Open)			OLC3O	
Film Studies (Open)			EMS3O	
Writer's Craft (University)				EWC4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
FIRST NATIONS, METIS, INUIT STUDIES				
English: Understanding Contemporary First Nations, Métis, and Inuit Voices (College) English: Understanding Contemporary First Nations, Métis, and Inuit Voices (Workplace) English: Contemporary First Nations, Metis & Inuit Voices (University)			NBE3C NBE3E NBE3U	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
FRENCH				
Core French Core French (Academic to University) Core French (Applied) Core French (Open)	FSF1D FSF1O	 FSF2D FSF2P	FSF3U	FSF4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
GUIDANCE& CAREER EDUCATION & SPECIAL EDUCATION				
Learning Strategies: Skills for Success In Secondary School (Open) *Note*: *Only for students with an Individual Education Plan*	GLE1O			
Career Studies (half credit taken with a half Civics and Citizenship)		GLC2OH		
Leadership and Peer Support (Open)			GPP3O	
Interdisciplinary Studies: Leadership (University)				IDC4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
HEALTH AND PHYSICAL EDUCATION				
Healthy Active Living Education (co-ed unless indicated, F=female, M=male) (Open)	PPL1OF PPL1OM	PPL2OF PPL2OM	PPL3O	PPL4O
Personal Fitness (Open)			PAF3O	
Recreation and Healthy Active Living Leadership (Univ./College)				PLF4M

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
MATHEMATICS				
Mathematics	MTH1W			
Principles of Mathematics (Academic)		MPM2D		
Foundations of Mathematics (Applied)		MFM2P		
Mathematics (Locally Developed)	MAT1L	MAT2L		
Functions (University)			MCR3U	
Functions & Applications (Univ./College)			MCF3M	
Foundations for College Mathematics (College)			MBF3C	MAP4C
Mathematics for Work and Everyday Life (Workplace)			MEL3E	MEL4E
Advanced Functions (University)				MHF4U
Calculus and Vectors (University)				MCV4U
Mathematics of Data Management (University)				MDM4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
SCIENCE				
Science Science (Academic) Science (Applied) Science (Locally Developed)	SNC1W SNC1L	 SNC2D SNC2P SNC2L		
Biology (College) Biology (University)			SBI3C SBI3U	 SBI4U
Chemistry (College) Chemistry (University)			 SCH3U	SCH4C SCH4U [A3]
Environmental Science (Workplace) Environmental Science (Univ./College)			SVN3E SVN3M	
Physics (College) Physics (University)			 SPH3U	SPH4C SPH4U [A1]

[A1]**ALTERNATING- Course will be available in 2022/2023, and then again in 2024/2025.**
[A3]**ALTERNATING- Course will be available in 2023/2024 and every year thereafter.**

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
SOCIAL SCIENCE AND THE HUMANITIES				
Exploring Family Studies (Open)	HIF1O			
Food and Nutrition (Open)		HFN2O		
Introduction to Anthropology, Psychology and Sociology (College) Introduction to Anthropology, Psychology and Sociology (University)			HSP3C HSP3U	
Raising Healthy Children (Open)			HPC3O	
Equity and Social Justice (Univ./College)				HSE4M1

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
TECHNOLOGICAL EDUCATION				
Exploring Technologies (Open)	TIJ1O			
Technological Design (Open)		TDJ2O	TDJ3O	TDJ4O

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
TECHNOLOGICAL EDUCATION				
Technological Design (Uni./College)			TDJ3M	TDJ4M
Construction Technology (Open)		TCJ2O		
Construction Technology (Workplace)			TCJ3E	TCJ4E
Construction Engineering Technology (College)			TCJ3C	TCJ4C
Green Industries (Open)		THJ2O		
Green Industries (Uni./College)			THJ3M	THJ4M
Green Industries (Workplace)			THJ3E	THJ4E

Specialist High Skills Major Programs

Course Titles		Grade 11		Grade 12	
SHSM CONSTRUCTION					
Major Credits • 4 Required • At least 1 from each Grade level					
	Technological Education	TCJ3C TCJ3E TDJ3M	TDJ3O THJ3E THJ3M	TCJ4C TCJ4E TDJ4M	TDJ4O THJ4M THJ4E
	Science	SPH3U		SPH4C SPH4U	
English • 2 Required • 2 CLA's required	English	ENG3C (NBE3C) ENG3U (NBE3U) ENG3E (NBE3E) OLC3O		ENG4C ENG4E	ENG4U OLC4O
Mathematics • 1 Required • CLA Required	Mathematics	MBF3C MCF3M MCR3U MEL3E		MAP4C MEL4E	MHF4U MCV4U MDM4U
Business Studies or Science • 1 Required CLA Required	Business Studies or Science	BAF3M SVN3M SCH3U BMI3C SBI3C SVN3E SBI3U		BAT4M SCH4C BDV4C	SBI4U SCH4U
Co-op • 2 Credits Required	Cooperative Education • Placement related to SHSM program	GWL3O2 (2 credit)		GLN4O4 (4 credit)	

Course Titles		Grade 11		Grade 12	
SHSM ENVIRONMENT					
Major Credits • 4 Required • At least 1 from each Grade level English • 2 Required • 2 CLA's required Mathematics • 1 Required • CLA Required Co-op • 2 Credits Required	The Arts				AWE4M
	Canadian and World Studies	CGT3O CGG3O	CGF3M CHW3M	CGR4E CGR4M	CGW4U CLN4U
	First Nations, Metis, Inuit Studies	NBV3E	NBV3C		
	Health & Physical Education			PAD4O	PLF4M
	Science	SBI3C SBI3U SCH3U	SVN3E SVN3M SPH3U	SCH4C SCH4U SBI4U	SPH4C SPH4U
	Technological Education	TCJ3E TCJ3C	THJ3E THJ3M	TCJ4E TCJ4C	THJ4M THJ4E
	English	ENG3C (NBE3C) ENG3U (NBE3U) ENG3E (NBE3E) OLC3O		ENG4C ENG4E	ENG4U OLC4O
	Mathematics	MBF3C MCF3M MCR3U MEL3E		MAP4C MEL4E	MHF4U MCV4U MDM4U
	Cooperative Education • Placement related to SHSM program	GWL3O2 (2 credit)		GLN4O4 (4 credit)	

SCDSB eLearning 2022/2023

For the most up-to-date information regarding the SCDSB eLearning course offerings (including course descriptions), please click on the link below:

https://docs.google.com/document/d/1oBNgJ9m0yJu-f8UB7AMcZhw95esbCuKe/view

SCDSB Summer School Program 2022/2023

For the most up-to-date information regarding the SCDSB Summer School program, please visit the Learning Centres website:

http://www.thelearningcentres.com/high-school-student/summer-school

SCDSB Night School Program 2022/2023

For the most up-to-date information regarding the SCDSB Nigth School program, please visit the Learning Centres website:

http://www.thelearningcentres.com/adult-student/night-school

STAYNER COLLEGIATE INSTITUTE PROGRAM OF STUDY

THE ARTS

DRAMA

Back to the top ctrl click→ARTS

ADA1O Drama, Grade 9 (Open)
This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyze drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

ADA2O Drama, Grade 10 (Open)
This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.
Prerequisite: None

ADA3M Drama, Grade 11 (University/College Preparation)
This course requires students to create and perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyze the functions of playwrights, directors, actors, designers, technicians, and audiences.
Prerequisite: Drama, Grade 9 or 10, Open

ADA4M Drama, Grade 12 (University/College Preparation)
This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other text and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyze how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.
The goal of this course is to launch a large-scale school production, possible a school musical.
Prerequisite: Drama, Grade 11, University/College Preparation

Media Arts

Back to the top ctrl click→ARTS

AWT2O Urban Arts and Social Change, Grade 10 (Open)
Students explore urban, street design, and art forms together with social justice issues. The course emphasizes: the elements and principals of design; observational drawing using a variety of media and techniques; as well as critical and creative thinking skills. The course utilizes a 'hands-on" approach to explore the creative process in both 2 and 3 dimensional projects. Students use art as a vehicle through which they will examine their own world and express themselves.
Prerequisite: None

AWQ3O Photography, Grade 11 (Open)
Students registered in this course will be introduced to the basic technical aspects of photography in relation to its aesthetic development. Students must see visual arts teacher to determine required photography equipment. This course focuses on studio activities in one or more of the visual arts. Students will create art works that explore a wide range of subject matter and will evaluate art works, providing grounds for their aesthetic judgments. They will also examine historical and cultural contexts of Western art (including Canadian art) and art from various world cultures to support their study of specific media.
Prerequisite: Visual Arts teacher consultation

AWE4M Yearbook, Grade 12 (University/College Preparation)
This course will help students develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to analyse historical innovations and exemplary research; and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will also assess their own cognitive and affective strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge. The practical component of this course includes the design, layout and production of SCI's yearbook in Semester 1.
Prerequisite: Any university, university/college, or college preparation course in Social Sciences and Humanities, English, Canadian and World Studies, or The Arts.

Music

Back to the top ctrl click→ARTS

AMI1O Music, Grade 9 (Open)
This course emphasizes the performance of music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination while using traditional concert band instruments. Students will participate in creative activities that teach them to listen with understanding. The will also learn correct musical terminology and its appropriate use.
Prerequisite: None

AMI2O Music, Grade 10 (Open)
This course emphasizes the creation and performance of music at a level consistent with previous experience while using traditional concert band instruments. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.
Prerequisite: None

AMI3M Music, Grade 11 (University/College Preparation)
This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.
Prerequisite: **Music, Grade 9 or 10, Open**

AMI4M Music, Grade 12 (University/College Preparation)
This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers.
Prerequisite: **Music, Grade 11, University/College Preparation**

Visual Arts **Back to the top ctrl click→ARTS**

AVI1O Visual Arts, Grade 9(Open)
This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and 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.

AVI2O Visual Arts, Grade 10 (Open)
This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.
Prerequisite: None

AVI3O Visual Arts, Grade 11 (Open)
This course focuses on studio activities in the visual arts, such as drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context.
Prerequisite: None

AVI3M Visual Arts, Grade 11 (University/College Preparation)
This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emergent technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g. photography, video, computer graphics, information design).
Prerequisite: Visual Arts, Grade 9 or 10, Open

AVI4M Visual Arts, Grade 12 (University/College Preparation)
This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production. Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts.
Prerequisite: Visual Arts, Grade 11, University/College Preparation

Business

Business **Back to the top ctrl click→ BUSINESS**

BBI1O Introduction to Business, Grade 9 (Open)
This course introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. Students will also learn concepts and skills related to personal finance, entrepreneurship, and international business.
ALTERNATING- Course will be available in 2022/2023, and then again in 2024/2025.

BBI2O Introduction to Business, Grade 10 (Open)
This course introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. Students will also learn concepts and skills related to personal finance, entrepreneurship, and international business.
Prerequisite: None
ALTERNATING- Course will be available in 2022/2023, and then again in 2024/2025.

BTT1O Information & Communication Technology in Business, Grade 9 (Open)
This course introduces students to the use of information technology in a business environment. Students will learn how to use information technology in a work environment, perform electronic research, communicate electronically, and use common business software. They will also explore possible future occupations in information technology.
ALTERNATING- Course will be available in 2023/2024, and then again in 2025/2026.

BTT2O Information & Communication Technology in Business, Grade 10 (Open)
This course introduces students to the use of information technology in a business environment. Students will learn how to use information technology in a work environment, perform electronic research, communicate electronically, and use common business software. They will also explore possible future occupations in information technology.
Prerequisite: None
ALTERNATING- Course will be available in 2023/2024, and then again in 2025/2026.

BAF3M Financial Accounting Fundamentals, Grade 11 (University/College Preparation)
This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis and current issues and ethics in accounting.
Prerequisite: None

BMI3C Marketing: Goods, Services, Events, Grade 11 (College Preparation)
This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice.
Prerequisite: None

BDV4C Entrepreneurial Studies: Venture Planning, Grade 12 (College Preparation)
This course focuses on the application of entrepreneurial characteristics and skills. Students will learn how to develop a venture plan. In making the plan, they will consider available resources, analyze the potential market base, identify legal requirements and available financing, evaluate all aspects of the plan, and identify the management skills and technology that would be required in carrying out their plan.
Prerequisite: None

BBB4M1: International Business Fundamentals (University/College Preparation)
This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution and managing international business effectively. This course prepares students for post-secondary programs in business, including international business, marketing and management.
Prerequisite: Any university or university/college preparation course

Canadian and World Studies

Geography **Back to the top ctrl click→CDN & WRLD STUDIES**

CGC1D Issues in Canadian Geography, Grade 9
This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live.

CGG3O1: Travel and Tourism, a Regional 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: CGC1P1 or CGC1D1

CGF3M1: Physical Geography: Patterns, Processes, and Interactions (University/College Preparation)
In this course, students will explore physical processes related to the earth's water, land, and air. They will investigate how these processes shape the planet's natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyze these processes, make predictions related to natural disasters, and assess ways of responding to them. If you are interested in earthquakes, tsunamis, avalanches, floods, and other disasters, this course is for you!
Prerequisite: CGC1P1 or CGC1D1, Grade 9 Academic or Applied Geography of Canada.

Law, Politics, and Economis **Back to the top ctrl click→CDN & WRLD STUDIES**

CLU3M Understanding Canadian Law, Grade 11 (University/College Preparation)
This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use case studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

CHC2D History since World War I, Grade 10 (Academic)
This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.
Prerequisite: None

CHC2P History since World War I, Grade 10 (Applied)
This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.
Prerequisite: None

CHC2L History since World War I, Grade 10 (Locally Developed)
This course connects students with key people, events, and themes in Canadian history from World War I to the present. Students extend their analytical, communication, and mathematical literacy skills by making connections between the past and their lives. This course prepares students for grades 11 and 12 Workplace Preparation history courses.
Prerequisite: None
ALTERNATING- Course will be available in 2020/2012, and then again in 2022/2023.

CHV2OH Civics & Citizenship, Grade 10 (Open) (.5 Credit)
This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of political issues and developments that are both of significance in today's world and of personal interest to them.
Prerequisite: None

CHA3U American History, Grade 11 (University/College Preparation)
This course traces the social, economic, and political development of the United States from colonial times to the present. Students will explore the historical context of key developments that shaped the United States, its identity and culture, and its role in the global community. They 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 forces in American history.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

CHW3M World History to the End of the Fifteenth Century, Grade 11 (University/College Preparation)
This course explores the history of various societies around the world, from earliest times to around 1500 CE. Students will examine life in and the legacy of various ancient and pre-modern societies throughout the world, including those in, Africa, Asia, Europe, and the Americas. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

CHY4C World History since the Fifteen Century, Grade 12 (College Preparation)
This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world.
Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities

CHY4U World History since the Fifteenth Century, Grade 12 (University Preparation)
This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and assess societal progress or decline in world history.
Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities.

COMPUTER STUDIES

ICS20 Introduction to Computer Studies, Grade 10 (Open)
This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers.
Prerequisite: None

ICS3C Introduction to Computer Programming, Grade 11 (College Preparation)

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

ICS3U Introduction to Computer Science, Grade 11 (University Preparation)
This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.
Prerequisite: None

CO-OPERATIVE EDUCATION PROGRAM

Co-operative Education **Back to the top ctrl click→COOP**

GWL3O2 Designing Your Future, Grade 11 (Open) (2 credits)

GLN4O4 Designing Your Future, Grade 12 (Open) (4 credits)

All Cooperative Education courses are a minimum of two credits (220 hours) and must be based on a related course in which students are presently enrolled (taking concurrently) or have successfully completed. Coop courses are offered at the senior level in a variety of subject areas and at all levels of difficulty. Coop allows students to earn two credits while working at a placement in the community for two periods per day. The work placement must provide training in tasks that pertain to the related course. Students could be working in almost any type of business or community organization depending on the related subject e.g. vet clinic, elementary school, daycare, retain, restaurant, auto body, auto mechanics etc.

Cooperative Education enhances classroom learning and can assist students to make decisions regarding careers and to acquire the skills required by today's society, whether bound for college or university, entering the work force, or starting their apprenticeship training.

All students in coop will be involved in pre-placement workshops and on-going integration sessions. The workplace supervisor and coop teacher/monitor both evaluate student performance in the program.

Students will showcase their placements to all coop supervisors in the form of an Employer Appreciation/Coop Fair.
Students must provide their own transportation to their work site.

Certain placements have conditions of work that must be accepted: security checks, safety apparel, proof of immunization, current T.B. test etc. Costs related to these are the responsibility of the student and the parent/guardian.

It should also be understood that placements in some fields of work are very limited and that the first placement choice cannot be guaranteed.

ENGLISH

English **Back to the top ctrl click→ENGLISH**

ENG1D English, Grade 9
This course is designed to develop the oral communication, reading, writing and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the grade 10 academic English course, which leads to university or collect preparation courses in grades 11 and 12.

ENG1L English, Grade 9 (Locally Developed)
This course provides the foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the grade 10 LDCC Course. Students develop listening, talking, reading, viewing, writing skills in a variety of authentic contexts. This course is designed to help students who had difficulty meeting the expectations of the English language program in grade 7 and 8.

ENG2D English, Grade 10 (Academic)
This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory grade 11 university or college preparation course.
Prerequisite: English, grade 9, Academic or Applied

ENG2P English, Grade 10 (Applied)
This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school 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: English, grade 9, Academic or Applied

ENG2L English, Grade 10 (Locally Developed)
In this course, students extend their literacy and communication skills to prepare for success in their daily lives, in the workplace, and in the English grade 11 Workplace Preparation course. Students build on their strategies and engage in the processes involved in talking, reading, viewing, writing and thinking in a variety of authentic contexts.
Prerequisite: Any grade 9 English credit

NBE3U English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11 (University Preparation)
This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship between media forms and audiences. An important focus will be the further development of students' understanding of English-language usage and conventions.
Prerequisite: English, grade 10, Academic
NOTE: NBE3U will be replacing ENG3U as the grade 11 English diploma requirement.

NBE3C English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11 (College Preparation)
This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays, and analyse the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity.
Prerequisite: English, grade 10, Applied or Academic
NOTE: NBE3C will be replacing ENG3C as the grade 11 English diploma requirement.

NBE3E English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11 (Workplace Preparation)
This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write explanations, letters, and reports, and will investigate the connections between media forms and audiences. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts.
Prerequisite: English, grade 10, Locally Developed or Applied
NOTE: NBE3C will be replacing ENG3C as the grade 11 English diploma requirement.

OLC3O Ontario Secondary School Literacy Course, Grade 11 (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 or writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.
Eligibility requirement: Students who have been eligible to write the OSSLT and who have been unsuccessful at least once are eligible and encouraged to take the classroom course. Please see Guidance to confirm eligibility.

EMS3O Film Studies, Grade 11 (Open)
This course emphasizes knowledge and skills that will enable students to appreciate how film as a medium of communication developed into its twenty-first century forms to determine if and how modern film uses media effectively and responsibly. Through analyzing the forms, it will explore the messages of a variety of films through the history of its development. Students will learn how film culture works and how audiences have and do respond to them. Students will also get an opportunity to create their own film to develop and apply critical thinking, skills, and aesthetic and ethical judgment. Overall, the course will emphasize skills in viewing, representing, listening, speaking, reading, and writing all about film.
Prerequisite: English, grade 10, Academic or Applied

ENG4U English, Grade 12 (University Preparation)
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 analyze a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control. in writing. The course is intended to prepare students for university, college or the workplace.
Prerequisite: English, grade 11, University Preparation

ENG4C English, Grade 12 (College Preparation)
This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace.
Prerequisite: English, grade 11, College Preparation

ENG4E English, Grade 12 (Workplace Preparation)
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 analyze informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.
Prerequisite: **English, grade 11, Workplace Preparation, or Ontario Literacy Course**

EWC4U The Writer's Craft, Grade 12, (University Preparation)
Learning the Art of Painting with Words: This course emphasizes knowledge and skills related to the craft of writing. Students will analyze models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers.
Prerequisite: English, grade 11, University Preparation

FIRST NATIONS, METIS, INUIT STUDIES

First Nations, Metis, Inuit Studies **Back to the top ctrl click→FNMI**

NBE3U English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11 (University Preparation)
This course explores the themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course.
Prerequisite: English, grade 10, Academic
NOTE: NBE3U will be replacing ENG3U as the grade 11 English diploma requirement.

NBE3C English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11 (College Preparation)
This course explores the themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course.
Prerequisite: English, grade 10, Applied or Academic

NBE3E English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11 (Workplace Preparation)
This course explores themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media texts emerging from First Nations, Métis, and Inuit cultures in Canada, as well as some texts that relate to those cultures. In order to better understand contemporary texts, students will explore connections between traditional and contemporary text forms and cultural and community aspects of identity, relationships, and self-determination, sovereignty, or self-governance. Students will also create oral, written, and media texts focusing on the development of literacy, communication, and critical thinking skills necessary for success in the workplace and daily life. The course is intended to prepare students for the compulsory Grade 12 English workplace preparation course.
Prerequisite: English, grade 10, Locally Developed or Applied

FRENCH

French **Back to the top ctrl click→FRENCH**

FSF1D Core French, Grade 9
This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will develop their skills in listening, speaking, reading, and writing by using language learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: Minimum of 600 hours of French instruction, or equivalent

FSF1O French, Grade 9 (Open)
This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600 hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings, and will develop fundamental skills in listening, speaking, reading, and writing through discussing issues and situations that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary for lifelong language learning.
Prerequisite: None

FSF2D Core French, Grade 10 (Academic)
This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will 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: Core French, Grade 9, Academic or Applied

FSF2P1 Core French, Grade 10, Applied
This course provides opportunities for students to communicate in French about everyday matters and topics of personal interest in real-life situations. Students will exchange information, ideas, and opinions with others in structured, guided, and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through using language learning strategies for understanding texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: Core French, Grade 9, Academic or Applied

FSF3U Core French, Grade 11 (University Preparation)
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: Core French, Grade 10, Academic

FSF4U Core French, Grade 12 (University Preparation)
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: Core French, Grade 11, University Preparation

GUIDANCE & CAREER EDUCATION & SPECIAL EDUCATION

GLE1O Learning Strategies 1: Skills for Success in Secondary School, Grade 9, (Open)
This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.
Prerequisite: Recommendation of principal

GLC2OH Career Studies, Grade 10 (Open) (.5 credit)
This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

GPP3O Leadership and Peer Support, Grade 11 (Open)
This course prepares and motivates students to provide leadership and assistance to others in their school and communities. Students will develop skills in communications, interpersonal relations, coaching, leadership, teamwork, and conflict management, and apply them in roles such as tutoring, mentoring and student council involvement. Students also learn the value and complexity of social diversity, while acquiring an appreciation of the importance of contributing to their communities and helping others throughout their lives.
Prerequisite: None

IDC4U Leadership, Grade 12 (University)
In this course students will explore various leadership styles, identify and hone their own leadership qualities through diagnostic activities and personal reflection. Students will plan and implement school-wide events and activities, and will work with other student groups within the school (student council, athletic council, etc) to provide student voice and advocate for student needs.
Prerequisite: Any grade 11 University level course in English, Canadian and World Studies or Social Science and Humanities.

Health and Physical Education Back to the top ctrl click→PHYS.ED.

PPL1OF Healthy Active Living Education (female), Grade 9 (Open)
PPL1OM Healthy Active Living Education (male), Grade 9 (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.

PPL2OF Healthy Active Living Education (female), Grade 10 (Open)
PPL2OM Healthy Active Living Education (male), Grade 10 (Open)
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

PAF3O Personal Fitness, Grade 11 (Open)
Personal Lifestyles - This course is geared toward the student who has an interest in personal fitness. The goals of the program are to reinforce health and fitness, to develop a positive self-concept, and to establish fitness habits that can be continued throughout life.
Prerequisite: None

PPL3O Healthy Active Living Education, Grade 11 (Open)
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

PPL4O Healthy Active Living Education, Grade 12 (Open)
This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

PLF4M Recreation and Healthy Active Living Leadership, Grade 12 (University/College Preparation)
This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical education and health and kinesiology and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership.
Prerequisite: Any health and physical education course

MATHEMATICS

Mathematics Back to the top ctrl click→MATH

MTH1W Mathematics, Grade 9
This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and relevant real-world situations. Students will continue to enhance their mathematical reasoning skills, including proportional reasoning, spatial reasoning, and algebraic reasoning, as they solve problems and communicate their thinking.

MAT1L Mathematics, Grade 9 (Locally Developed)
This course emphasizes the development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the grade 10 LDCC course. Students develop mathematical literacy, problem-solving, and communication skills related to money sense, measurement, and proportional reasoning by completing practical, authentic activities. This course is designed to help students who had difficulty meeting the expectations of the mathematics program in grade 7 and 8.

MPM2D Principles of Mathematics, Grade 10 (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: Mathematics, Grade 9

MFM2P Foundation of Mathematics, Grade 10 (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 add 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: Mathematics, Grade 9

MAT2L Mathematics, Grade 10 (Locally Developed)
This course extends students' mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the grade 11 Mathematics Workplace Preparation course. Students strengthen their mathematical literacy, problem-solving, and communication skills related to money sense, measurement, and proportional reasoning by completing practical, authentic activities.
Prerequisite: Mathematics, Grade 9, Locally Developed

MCR3U Functions, Grade 11 (University Preparation)
This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
Prerequisite: Mathematics, Grade 10, Academic

MCF3M Functions & Applications, Grade 11 (University/College Preparation)
This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modeling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
Prerequisite: Mathematics, Grade 10, Academic or Applied

MBF3C Foundations for College Mathematics, Grade 11 (College Preparation)
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, as well as of measurement and geometry; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analyzing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Mathematics, Grade 10, Applied

MEL3E Mathematics for Work & Everyday Life, Grade 11 (Workplace Preparation)
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: Mathematics, Grade 10, Locally Developed or Grade 9 Applied or Academic

MHF4U Advanced Functions, Grade 12 (University Preparation)
This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students who plan to study mathematics before proceeding to any one of the variety of university programs
Prerequisite: Functions, Grade 11 or Mathematics for College Technology, Grade 12

MCV4U Calculus & Vectors, Grade 12 (University Preparation)
This course builds on student's previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.
Prerequisite: Advanced Functions, Grade 12
Note: In some schools, it may be necessary to take the prerequisite course concurrently with MCV4U

MDM4U Mathematics of Data Management, Grade 12 (University Preparation)
This course broadens students' understanding of mathematics as it relates to managing information. Students will apply methods for organizing large amounts of information; solve problems involving counting techniques, probability, and statistics; and carry out a culminating project that integrates the expectations of the course. Students will continue to develop the mathematical processes necessary for success in senior mathematics. Students planning to pursue university programs in business, the social sciences, and the humanities will find this course of particular interest.
Prerequisite: Functions and Applications, Grade 11, University/College Prep. or Functions, Grade 11 University Prep.

MAP4C Foundations for College Mathematics, Grade 12 (College Preparation)
This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; apply measurement in designing and constructing physical models; solve financial problems connected with home ownership; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.
*this course meets the requirements of a SHSM program – See guidance for more information
Prerequisites: Foundations for College Mathematics, Functions and Applications (University/College Prep or Functions, (University Preparation), Grade 11

MCT4C Mathematics for College Technology (College Preparation)
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: **MCF3M1, Functions and Applications, Grade 11, University/College Preparation**

MEL4E Mathematics for Everyday Life, Grade 12 (Workplace Preparation)
This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs and create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Mathematics for Work and Everyday Life, Grade 11 (Workplace Preparation)

SCIENCE

General Science

Back to the top ctrl click→SCIENCE

SNC1W Science, Grade 9
This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

SNC1L Science, Grade 9 (LDCC)
This course develops science-related knowledge and skills to prepare students for success in everyday life, in the workplace, and in the science grade 11 workplace preparation course. Students explore scientific topics that connect with their lives by engaging in practical science activities. This course is designed to help students who had difficulty meeting the expectations of the mathematics and science programs in grade 7 and 8.

SNC2D Science, Grade 10 (Academic)
This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter.
Prerequisite: Science, Grade 9

SNC2P Science, Grade 10 (Applied)
This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.
Prerequisite: Science, Grade 9

SNC2L Science, Grade 10 (LDCC)
This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the relationship between science, society, and the environment, to prepare students for success in everyday life, in the workplace, and in the Grade 11 Science Workplace Preparation course. Students explore a range of topics, including science in daily life, properties of common materials, life-sustaining processes in simple and complex organisms, and electrical circuits.
Prerequisite: None

Biology

Back to the top ctrl click→SCIENCE

SBI3U Biology, Grade 11 (University Preparation)
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: Science, Grade 10, Academic

SBI3C Biology, Grade 11 (College Preparation)
This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.
Prerequisite: Science, Grade 10, Academic or Applied

SBI4U Biology, Grade 12 (University Preparation)
This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields.
Prerequisite: Biology, Grade 11, University Preparation

Chemistry

Back to the top ctrl click→SCIENCE

SCH3U Chemistry, Grade 11 (University Preparation)

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

Prerequisite: Science, Grade 10, Academic

SCH4U Chemistry, Grade 12 (University Preparation)

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

Prerequisite: Chemistry, Grade 11, University Preparation

ALTERNATING- Course will be available in 2019/2020, and then again in 2021/2022.

SCH4C Chemistry, Grade 12 (College Preparation)

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

Prerequisite: Science, Grade 10, Academic or Applied

Environmental Science

Back to the top ctrl click→SCIENCE

SVN3M Environmental Science, Grade 11 (University/College Preparation)

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

Prerequisite: Science, Grade 10, Applied or Academic

SVN3E Environmental Science, Grade 11 (Workplace Preparation)

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

Prerequisite: Science, Grade 9, Academic or Applied, or a Grade 9 or 10 locally developed compulsory credit (LDCC) course in science

Physics

Back to the top ctrl click→SCIENCE

SPH3U Physics, Grade 11 (University Preparation)

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: Science, Grade 10, Academic

SPH4U Physics, Grade 12 (University Preparation)

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

Prerequisite: Physics, Grade 11, University Preparation

ALTERNATING- Course will be available in 2020/2021, and then again in 2022/2023.

SPH4C Physics, Grade 12 (College Preparation)

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: Science, Grade 10, Academic or Applied

SOCIAL SCIENCE AND THE HUMANITIES

Social Science and the Humanities

Back to the top ctrl click→SOC.SCIENCE

HIF1O Exploring Family Studies, Grade 9 (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.

HFN2O Food & Nutrition, Grade 10 (Open)
This course explores the factors that affect attitudes and decisions about food, examines current issues of body image and food marketing, and is grounded in the scientific study of nutrition. Students will learn how to make informed food choices and how to prepare foods, and will investigate our Canadian food heritage and food industries, and well as global food issues. This course includes practical food lab applications. The course also introduces students to research skills related to food and nutrition.
Prerequisite: None

HPC3O Raising Healthy Children, Grade 11 (Open)
This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.
Prerequisite: None

HSP3U Introduction to Anthropology, Psychology, & Sociology, Grade 11 (University Preparation)
This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science, and to become familiar with current thinking on a range of issues within the three disciplines.
Prerequisite: The Grade 10 academic course in English or the Grade 10 academic history course (Canadian and world studies)

HSP3C Introduction to Anthropology, Psychology, & Sociology, Grade 11 (College Preparation)
This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. They will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.
Prerequisite: None

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

TECHNOLOGICAL EDUCATION

Exploring Technologies **Back to the top ctrl click→TECH**

TIJ1O Exploring Technologies, Grade 9 (Open)
This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.

Design and Technology **Back to the top ctrl click→TECH**

TDJ2O Technological Design, Grade 10 (Open)
This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field.
Prerequisite: None

TDJ3O Technological Design and the Environment, Grade 11 (Open) SHSM
This course enables students to apply a systematic process for researching, designing, building, and assessing solutions to address specific human and environmental challenges. Through their work on various projects, students will explore broad themes that may include aspects of industrial design, mechanical design, architectural design, control system design, and/or apparel design. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary pathways leading to careers in the field.
Prerequisite: None

TDJ3M Technological Design, Grade 11 (University/College Preparation) SHSM
This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will explore career opportunities in the field, as well as the college and/or university program requirements for them.
Prerequisite: None

TDJ4O Technological Design in the Twenty-first Century, Grade 12 (Open) SHSM
This course focuses on the relationship between society and technological development. Students will use appropriate tools, techniques, and strategies to research, design, build, and assess prototypes for products and/or processes that respond to society's changing needs. Students will describe how social factors, including

culture, media, politics, religion, and environmental concerns, influence technological design. Students will also learn about professional practices in the field, and will research postsecondary pathways leading to careers related to technological design.
Prerequisite: None

TDJ4M Technological Design, Grade 12 (University/College Preparation)
This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem-solving and communication skills, and will explore career opportunities and the postsecondary education and training requirements for them.
Prerequisite: Technological Design, Grade 11, University/College Preparation

Construction Technology

Back to the top ctrl click→TECH

TCJ2O Construction Technology, Grade 10 (Open)
This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.
Prerequisite: None

TCJ3C Construction Technology, Grade 11 (College Preparation)
This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore career opportunities in the field.
Prerequisite: None

TCJ3E Construction Technology, Grade 11 (Workplace Preparation)
This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore postsecondary and career opportunities in the field.
Prerequisite: None

TCJ4C Construction Technology, Grade 12 (College Preparation)
This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and explore career opportunities in the field.
Prerequisite: Construction Technology, Grade 11, College Preparation

TCJ4E Construction Technology, Grade 12 (Workplace Preparation)
This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands on experience using a variety of materials, processes, tools, and equipment; create and interpret construction drawings; and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues related to construction technology and explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation.
Prerequisite: Construction Technology, Grade 11, Workplace Preparation

Green Industries

Back to the top ctrl click→TECH

THJ2O Green Industries, Grade 10 (Open)
This course introduces students to the various sectors of the green industries – agriculture, forestry, horticulture, floristry, and landscaping. Using materials, processes, and techniques commonly employed in these industries, students will participate in a number of hands-on projects that may include plant or animal propagation; production, maintenance, and harvesting activities; the development of floral or landscaping designs; and/or related construction activities. Students will also develop an awareness of environmental and societal issues related to green industry activities, learn about safe and healthy working practices, and explore secondary and postsecondary education and training pathways and career opportunities in the various industry sectors.
Prerequisite: None

THJ3E Green Industries, Grade 11 (Workplace Preparation)
This course enables students to develop knowledge and skills related to agriculture, floristry, forestry, horticulture, and landscaping. Students will learn to identify a broad range of plant and animal species; examine factors that affect the growth of plants and animals and the quality of products derived from them; and develop process, design, and maintenance skills required in the green industries. Students will also learn about safe and healthy working practices, develop an awareness of environmental and societal issues related to green industry activities, and learn about apprenticeships and other postsecondary education and training opportunities, as well as employment opportunities that may be pursued directly after graduation.

Prerequisite: None

THJ3M Green Industries, Grade 11 (University/College Preparation)
This course enables students to develop knowledge and skills related to agriculture, forestry, horticulture, and landscaping. Students will study the identification, growth, and management of plants and animals and develop process, design, and management skills required in the green industries. Students will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and will explore postsecondary education programs and career opportunities.
Prerequisite: None

THJ4M Green Industries, Grade 12 (University/College Preparation)
This course focuses on more complex concepts and skills related to the green industries. Students will focus on developing process skills, design and management techniques, and ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities. The knowledge and skills acquired in this course will prepare students for more specialized studies at the college and university level.
Prerequisite: Green Industries, Grade 11, University/College Preparation

THJ4E Green Industries, Grade 12 (Workplace Preparation)
This course enables students to gain further experience with a variety of industry procedures and operations and to acquire additional industry-specific skills. Students will study more complex processes, develop more advanced design and maintenance skills, and explore ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities in the various industries. The knowledge and skills acquired in this course will prepare students for the workplace and apprenticeship training.
Prerequisite: Green Industries, Grade 11, Workplace Preparation

SPECIALIST HIGH SKILLS MAJOR (CONSTRUCTION)

The Construction SHSM is a specialized program designed to provide students with opportunities to explore the construction sector. This program is open to students in any pathway who may be interested in pursuing careers related to the construction industry. Through this program students will build a foundation of construction focused knowledge and skills, gain valuable work experience, and receive employer recognized certifications and/or training in such areas as Working at Heights, scaffold safety, electrical safety, and SFA/CPR Level C.

SHSM Major Credits Back to the top ctrl click→COURSES

Apprenticeship		College		University		Workplace	
GRADE 11	GRADE 12	GRADE 11	GRADE 12	GRADE 11	GRADE 12	GRADE 11	GRADE 12
TCJ3E	TCJ 4E	TCJ3C	TCJ4C	SPH3U	TDJ4M	TCJ3E	TCJ4E
TCJ3C	TCJ 4C	TDJ3M	TDJ4M	TDJ3M	THJ4M	TDJ3O	TDJ4O
TDJ3O	TDJ4O	THJ3M	THJ4M	THJ3M	SPH4U	THJ3E	
THJ3E	THJ4E		SPH4C				
	SPH4C						

SHSM Coop Back to the top ctrl click→COOP

Grade 11	Grade 12
GWL3O2 (2 credit, half day)	GLN4O2 (2 credit, half day)
GWL3O4 (4 credit, full day)	GLN4O4 (4 credit, full day)

SHSM CLA Courses Back to the top ctrl click→TOP

	Grade 11	Grade 12
English	NBE3U, NBE3C, NBE3E, OLC3O	ENG4U, ENG4C, ENG4E, OLC4O
Mathematics	MCR3U, MCF3M, MBF3C, MEL3E	NA
Business Studies and Science	BAF3M, BMI3C, SVN3M, SVN3E, SBI3C, SBI3U, SCH3U	BAT4M, BOG4E, SCH4C, SCH4U, SBI4U

SPECIALIST HIGH SKILLS MAJOR (ENVIRONMENT)

Enviro SHSM is a specialized program designed within your regular high school courses to provide you with opportunities to explore the environmental sector. The program is open to students in any pathway who may be interested in pursuing careers related to the environment. Students are welcome to try the program out for a while to see if a green career is right for you. Through this program students will build a foundation of environmentally focused knowledge and skills, gain valuable work experience, and receive training and certifications in such areas as CPR, leadership and GPS.

SHSM Major Credits Back to the top ctrl click→COURSES

Apprenticeship		College		University		Workplace	
GRADE 11	GRADE 12	GRADE 11	GRADE 12	GRADE 11	GRADE 12	GRADE 11	GRADE 12
CGG3O	CGR4E	SBI3C	SCH4C	SBI3U	CGR4M	SVN3E	PAD4O
SBI3C	PAD4O	SVN3M	SPH4C	SVN3M	THJ4M	NBV3E	CGR4E
SVN3E	TCJ 4E	TCJ3C	CGR4M	SCH3U	SCH4U	TCJ3E	TCJ4E
TCJ3E	TCJ 4C	NBV3C	TCJ4C	SPH3U	SBI4U	CGG3O	
TCJ3C	SCH4C	CHW3M	THJ4M	THJ3M	SPH4U	THJ3E	
THJ3E	SPH4C	THJ3M	AWE4M	CHW3M	CGW4U		
NBV3E					AWE4M		

SHSM Coop Back to the top ctrl click→COOP

Grade 11	Grade 12
GWL3O2 (2 credit, half day)	GLN4O2 (2 credit, half day)
GWL3O4 (4 credit, full day)	GLN4O4 (4 credit, full day)

SHSM CLA Courses Back to the top ctrl click→TOP

	Grade 11	Grade 12
English	NBE3U, NBE3C, NBE3E, OLC3O	ENG4U, ENG4C, ENG4E, OLC4O
Mathematics	MCR3U, MCF3M, MBF3C, MEL3E	NA