Fenelon Falls Secondary School

Home of the Falcons

Course Calendar

2024-2025

Online version of the course calendar available at
FFSS school website > Guidance/Student Services > Course Calendar & Course Selection

Follow us on Instagram @guidance_fenelonfallsss

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Fenelon Falls Secondary School

Website:
https://ffs.tldsb.on.ca/

Principal:
Ms. Christa Bradburn

Vice-Principals:
Ms. J. Lloyd
Mr. K. Ray

Student Services:
Ms. K. Lindsay (A-L)
Ms. M. McKnight (M-Z)
Ms. B. Lodwick (Head of Specialized Services)

School Colours:
Red, White, and Black

School Mascot:
Falcon

Motto:
In Omnia Paratus
"Ready for Anything"

Founded:
1827

Population:
~ 670 students

Welcome to Fenelon Falls Secondary School where you can achieve academic success, participate in our plethora of clubs and athletics, partake in experiential education, and make lifetime friends. FFSS has a variety of opportunities for students to succeed in all areas of school life.

Program Highlights:

Specialist High Skills Major in Construction - Students interested in pursuing a career in carpentry or the skilled trades will benefit from the certifications and hands on skills acquired in this program.

Specialist High Skills Major in Automotive Technology - Students interested in pursuing a career as a mechanic or the skilled trades will benefit from the certifications and hands on skills acquired in this program.

Specialist High Skills Major in Information and Communications Technology - Students interested in communication systems, computer systems, or software and digital media will benefit from this program.

Course Selection:

Guidance Teachers will be assisting students with course selections and pathway planning in the month of February. We encourage students to research post-secondary options in order to sign up for accurate high school prerequisites.

ALL COURSES SUBJECT TO CANCELLATION

Courses running is subject to two conditions:
1.There must be a teacher on the staff who is able to teach the course.
2. A course may be cancelled if there is insufficient enrollment.

Important Links:

Compulsory Courses | **SHSM** | **Co-operative Education**
Course Planner | **OYAP** | **Dual Credits**
E-Learning Information | **Opt out of E-Learning** | **Volunteer Hours**

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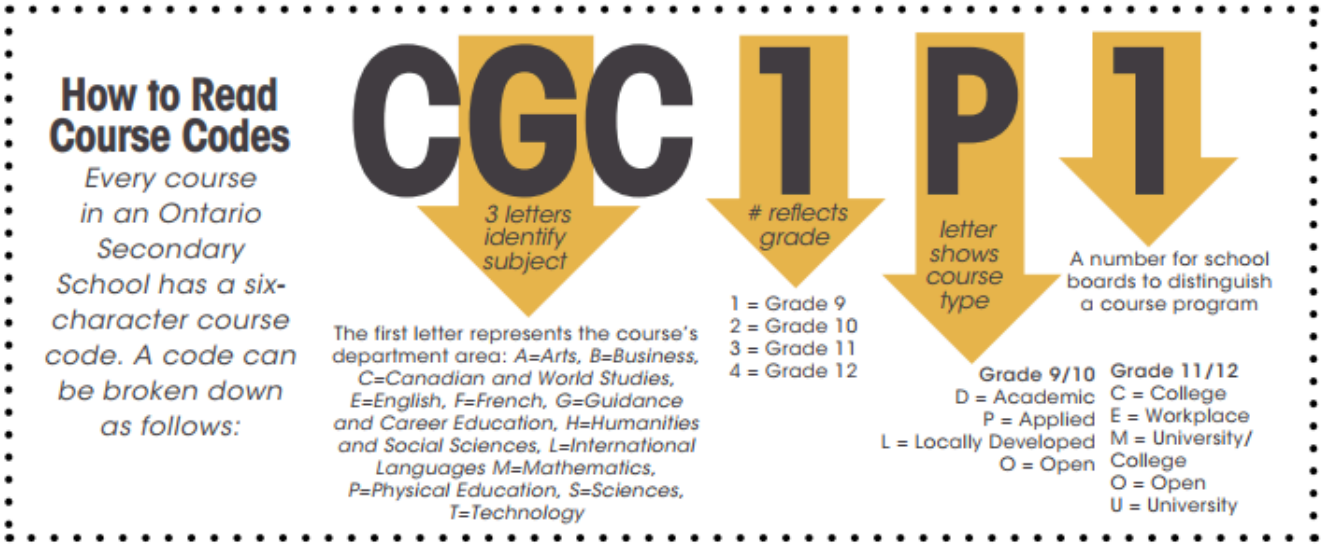
The following is a diagram to help decipher the course codes:



Click on the links below to see the course description and prerequisites.
Yellow highlight indicates the course runs every other year. Courses highlighted in yellow will run during the 2025-26 year and are not currently available for course selection.

Arts	Grade 9	Grade 10	Grade 11	Grade 12
Dramatic Arts (open)	ADA1OR	ADA2OR		
Dramatic Arts (mixed)			ADA3MR	ADA4MR
Dramatic Arts (Novice)			ADA3OR	
Music - Intro to Guitar (Open)	AMG1OR	AMG3OR	AMG 3OR	
Music for Creating	AMC1OR			
Music - Band (open)	AMU1OR	AMU2OR		
Music - Band (mixed)			AMU3MR	AMU4MR
Visual Arts (open)	AVI1OR	AVI2OR		

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Visual Arts (mixed)			AVI3MR	AVI4MR
Visual Arts (Novice)		AVI2O1		
Visual Arts - Photography (open)		AWQ2OR		
Visual Arts - Photography (mixed)			AWQ3MR	AVI4MR

Business	Grade 9	Grade 10	Grade 11	Grade 12
Building the Entrepreneurial Mindset (Open)	BEM1OR			
Launching and Leading a Business (Open)		BEP2OR		
Introduction to Accounting (College/University)			BAF3MR	
Entrepreneurship: The Venture (College)			BDI3CR	
Business Marketing (College) (offered 25/26 year)			BMI3CR	
International Business (College/University)				BBB4MR

Canadian and World Studies	Grade 9	Grade 10	Grade 11	Grade 12
Exploring Canadian Geography (Destreamed)	CGC1WR			
Travel and Tourism (Open)			CGG3OR	
World Issues (College)				CGW4CR
World Issues (University)				CGW4UR
Canadian History since WW1 (Locally Developed)		CHC2LR		
Canadian History since WW1 (Applied)		CHC2PR		
Canadian History since WW1 (Academic)		CHC2DR		
Civics ½ credit (Open)		CHV2OR		
Beliefs, Values and Aspirations of Aboriginal Peoples in Contemporary Society (Workplace)		NBV3ER	NBV3ER	
Beliefs, Values and Aspirations of Aboriginal Peoples in Contemporary Society (College)		NBV3CR	NBV3CR	
American History (College/University)			CHA3UR	
World History to the End of the 15th Century (College/University)			CHW3MR	
Canada: History, Identity, and Culture (University)			CHI4UR	CHI4UR
Adventures in World History (Workplace)			CHM4ER	CHM4ER
Understanding Canadian Law (University/College)			CLU3MR	
Legal Studies (College)				CLN4CR
Canadian and International Law (University)				CLN4UR
Introduction to Anthropology, Psychology, Sociology (College)			HSP3CR	
Introduction to Anthropology, Psychology, Sociology (University)			HSP3UR	
Challenge and Change in Society (University)				HSB4UR

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CHY4CR/4UR - World History since the 15th Century will be offered in the 2025-26 school year.

Languages	Grade 9	Grade 10	Grade 11	Grade 12
English (Locally Developed/Workplace)	ENG1LR	ENG2LR	ENG3ER	ENG4ER
English (Destreamed)	ENL1WR			
English (Applied/College)		ENG2PR	NBE3CR	ENG4CR
English (Academic/University)		ENG2DR	NBE3UR	ENG4UR
Ontario Literacy Course (Open)				OLC4OR
Media Studies (Open)		EMS30R	EMS30R	
The Writer's Craft (College)			EWC4CR	EWC4CR
The Writer's Craft (University)			EWC4UR	EWC4UR
Core French (Destreamed)	FSF1DR			
Core French (Academic/University)		FSF2DR	FSF3UR	FSF4UR
Introduction to Spanish (Open)		LWSBDR	LWSBDR	

Family Studies	Grade 9	Grade 10	Grade 11	Grade 12
Raising Healthy Children (Open)		HPC3OR	HPC3OR	
Clothing (Open)		HNL2OR		
Understanding Fashion (College)			HNC3CR	
Managing Personal Resources (Open)			HIP4OR	HIP4OR
Nutrition and Health (College)				HFA4CR
Nutrition and Health (University)				HFA4UR

Guidance and Career Studies	Grade 9	Grade 10	Grade 11	Grade 12
Learning Strategies (Open)	GLE1OR	GLE 2OR	GLE3OR	GLE4OR
Career Studies ½ course (Open)		GLC2OR		
Leadership and Peer Support (Open)			GPP3OR	
Cooperative Education (Open) - 2 credits			GWL3OD	GLN4OD
Cooperative Education (Open) - 4 credits			GWL3OQ	GLN4OQ
Ontario Youth Apprenticeship Program - (4 credit OYAP)				OYAP
Navigating the Workplace (Open)			GLN4OR	GLN4OR

Health and Physical Education	Grade 9	Grade 10	Grade 11	Grade 12
Healthy Active Living Education (Open)	PPL1OR	PPL2OR	PPL3OR	PPL4OR
Outdoor Education (Open)			PAD3OR	PAD4OR
Personal Fitness (Open)	PAF1OR	PAF2OR	PAF3OR	PAF4OR
Fitness and Lifestyle Management* (Open) - Dual Credit (1 high school + 1 college credit))				PAF4OU

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Personal Fitness (Weight Training) (Open)		PAI2OR	PAI3OR	PAI4OR
Introduction to Kinesiology (University)				PSK4UR
Recreation and Leadership (College/University)			PLF4MR	PLF4MR

Mathematics (View the Math Pathways chart)	Grade 9	Grade 10	Grade 11	Grade 12
Math for Everyday Life (Locally Developed/Workplace)	MAT1LR	MAT2LR	MEL3ER	MEL4ER
Foundations of Math (destreamed)	MTH1WR			
Foundations of Mathematics (Applied)		MFM2PR		
Foundations for College Math (College)			MBF3CR	MAP4CR
Principles of Mathematics (Academic)		MPM2DR		
Functions and Applications(College/University)			MCF3MR	
Math for College Technology			MCT4CR	MCT4CR
Functions and Relations (University)			MCR3UR	
Data Management (University)				MDM4UR
Calculus and Vectors (University)				MCV4UR
Advanced Functions (University)				MHF4UR

Science (see Science Pathways chart)	Grade 9	Grade 10	Grade 11	Grade 12
Science (Locally Developed/Workplace)	SNC1LR	SNC2LR	SVN3ER	
Science (destreamed)	SNC1WR			
Science (Applied)		SNC2PR		
Science (Academic)		SNC2DR		
Environmental Science (College/University)			SVN3MR	
Biology (College)			SBI3CR	
Chemistry (College)				SCH4CR
Physics (College)				SPH4CR
Biology (University)			SBI3UR	SBI4UR
Chemistry (University)			SCH3UR	SCH4UR
Physics (University)			SPH3UR	SPH4UR
Health Science (College/University)			SNC4MR	SNC4MR

Shop Technology	Grade 9	Grade 10	Grade 11	Grade 12
Technology and the Skilled Trades (Open)	TAS1OR			
Construction (Open)		TCJ2OR		
Construction (College)			TCJ3CR	TCJ4CR
Custom Woodworking (Workplace)			TWJ3ER	TWJ4ER
Manufacturing (Open)		TMJ2OR		
Manufacturing (College)			TMJ3CR	TMJ4CR

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Small Engines (Open)		TTJ2O1		
Small Engines (College)			TTS3CR	TTS4CR
Automotive Transportation (Open)		TTJ2OR		
Transportation: Vehicle Ownership (Open)		TTJ3OR	TTJ3OR	
Transportation Technology (College)			TTJ3CR	TTJ4CR
Computer Technology Courses:				
Intro to Computer Programming (College)			ICS3CR	
Introduction to Computer Science (University)			ICS3UR	
Computer Programming (College)				ICS4CR
Computer Science (University)				ICS4UR
Technological Design (Open)		TDJ2OR		
Technological Design (College/University)			TDJ3MR	TDJ4MR
Communications Technology (Open)		TGJ2OR	TGJ3OR	TGJ4OR
Communications Technology (College/University)			TGJ3MR	TGJ4MR
Robotics and Control Systems (College/University)			TER3MR	TER4MR
Additional Technology Courses:				
Hospitality and Tourism (Open)	TFJ1OR	TFJ2OR		
Hospitality and Tourism (College)			TFJ3CR	TFJ4CR
Hospitality and Tourism (Workplace)			TFJ3ER	TFJ4ER
Yearbook (Open)			IDC3OY	IDC4OR
Green Industries (Workplace)			THJ3ER	THJ4ER
Health Care Support Services (Workplace)			TPJ4ER	TPJ4ER

Grade 9 Courses Offered at FFSS

(Sorted by Department)

THE ARTS

Dramatic Arts (Open) **ADA1OR**

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

Music (Introductory Guitar) (Open) **AMG1OR**

Note: It is recommended that students supply their own instrument but not required

This course emphasizes the creation and performance of guitar music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will

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develop an understanding of the conventions and elements of music specific to guitar and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life.

Music for Creating (Open) **AMC1OR**

This focus course will have an emphasis on digital music production and composition production.

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

Music (Band) (Open) **AMU1OR**

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

Visual Arts (Open) **AVI1OR**

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. As students embark on a journey of personal expression, they will focus on the language of visual communication, which will be explored primarily through studio experiences (e.g., drawing, painting, sculpture) that promote visual literacy by enhancing technical and critical thinking skills.

BUSINESS

Building the Entrepreneurial Mindset (Open) **BEM1OR**

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

CANADIAN & WORLD STUDIES

Exploring Canadian Geography (Destreamed) **CGC1WR**

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

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Métis, and Inuit perspectives. Students will apply geographic thinking, use the geographic inquiry process, and use geospatial technologies throughout their investigations.

GUIDANCE AND CAREER STUDIES

Learning Strategies 1: Skills for Success (Open) **GLE1OR**

(Available to students with an IEP)

Note: Students cannot take both GLE1OR and GLS1OR

This course is available to students in consultation with the Head of Specialized Services.

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, personalmanagement skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community.The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

HEALTH & PHYSICAL EDUCATION

Healthy Active Living Education (Open) **PPL1OR**

(**Emphasis on team sports and individual activities**)

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.

Personal Fitness (Open) **PAF1OR**

(**Emphasis on fitness and individual/partner activities**)

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

LANGUAGES

English (Locally Developed) **ENG1LR**

This course provides students who have experienced significant difficulties in previous English courses an opportunity to obtain sufficient background and skill development to prepare them for Grade 11 and 12 Workplace Preparation courses. Whenever possible, ideas will be presented in a real-life context, providing students with the opportunity to explore, organize and interpret different writing styles and literary genres. Assessment and evaluation will be done using a wide variety of strategies.

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English (Destreamed) **ENL1WR**

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

Core French (Destreamed) **FSF1DR**

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 continue to develop language knowledge and skills 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 the skills necessary to become lifelong language learners.

MATHEMATICS

Mathematics (Locally Developed) **MAT1LR**

This course provides students who have experienced significant difficulties in previous Mathematics courses an opportunity to obtain sufficient background and skill development to prepare them for Grade 11 and 12 Workplace Preparation courses. Whenever possible, ideas will be presented in a real-life context, providing students with the opportunity to explore, organize, interpret, and use mathematical models to solve problems. Technology and manipulative materials will be used wherever appropriate. Assessment and evaluation will be done using a wide variety of strategies.

De-Streamed Foundations of Mathematics (Applied and Academic combined) **MTH1WR**

This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and relevant real-world situations. Students will continue to enhance their mathematical reasoning skills, including proportional reasoning, spatial reasoning, and algebraic reasoning, as they solve problems and communicate their thinking. Prerequisite: None

SCIENCE

Science (Locally Developed) **SNC1LR**

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 Science Grade 11 Workplace 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. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

Science (Academic and Applied) **SNC1WR**

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

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TECHNOLOGY

Technology and the Skilled Trades (Open) **TAS1OR**

A Tech Rotation which may include a combination of 2 or 3 of the following:
Construction, Manufacturing, Transportation, Computer Technology, Green Industries, Health Care.

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

Hospitality and Tourism Technology (Open) **TFJ1OR**

This course emphasizes the scope of the hospitality and tourism industry. Students will study food origins, food-handling techniques and food preparation, health and safety standards, and the use of specialized tools and equipment. They will also investigate travel and tourism activities in Ontario, develop effective communication and management skills, and identify career opportunities in the hospitality and tourism industry.

Grade 10 Courses Offered at FFSS

THE ARTS

Dramatic Arts (Open) **ADA2OR**

Strongly Recommend: Dramatic Arts, Grade 9 (ADA 1OR), 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.

Music (Guitar) (Open) **AMG3OR**

Note: It is recommended that students supply their own instrument.
Prerequisite: Music, Introductory Guitar, (AMG 10R), Open

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

Music (Band) (Open) **AMU2OR**

Strongly Recommend: Music, Grade 9 Band (AMU 1OR), Open

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

Visual Arts (Open) **AVI2OR**

Strongly Recommended: Grade 9 Visual Arts (AVI 1OR)

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.

Visual Arts (Novice) (Open) **AVI2O1**

This course is specifically designed for students who have* NOT *taken AVI 1OR

This course emphasizes learning through practice; and introducing students to new ideas, materials, and processes for artistic thinking and experimentation. Student learning will include the refined application of the elements and principles of design, incorporating the creative and design processes, and the relationship between form and content. Students will also learn about the connections between works of art and their historical contexts. Course objectives may be achieved either through a comprehensive program or through a program focused on a particular art form. The primary focus will be on studio experiences (e.g., drawing, painting, sculpture) which are DESIGNED TO INTRODUCE and develop the student's knowledge of visual communication, expression and creativity.

Visual Arts (Introductory Photography) (Open) **AWQ2OR**

Recommend: Visual Arts, Grade 9 (AVI 1OR), Open

This course focuses on PHOTOGRAPHY. This course emphasizes learning through practice; building on what students already know and introducing them to new ideas, materials, and processes for artistic thinking and experimentation. Student learning will include the refined application of the elements and principles of design, incorporating the creative and design processes, and the relationship between form and content. Students will also learn about the connections between works of art and their historical contexts. Course objectives may be achieved either through a comprehensive program or through a program focused on a particular art form. The primary focus will be on learning to use photography through studio experiences which will supplement the students' artistic abilities by introducing technical and critical thinking skills specific to this medium.

BUSINESS

Launching and Leading a Business (Open) **BEP2OR**

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

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CANADIAN & WORLD STUDIES

Canadian History since World War I (Locally Developed) **CHC2LR**

This course focuses on the connections between the student and key people, events and themes in Canadian contemporary studies. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships and changes since 1914, are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections.

Canadian History since World War I (Applied) **CHC2PR**

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.

Canadian History since World War I (Academic) **CHC2DR**

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.

Civics (Open) (half credit) **CHV2OR**

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.

FAMILY STUDIES

Clothing (Open) **HNL2OR**

This course introduces students to the world of clothing. Students will gain knowledge about clothing and demonstrate basic skills with various techniques and technologies used to create garments and accessories. Students will learn about the functions of clothing and accessories and what clothing communicates about the wearer. They will learn how to enhance their personal wardrobe by assessing garment quality, developing shopping strategies, and developing an understanding of the advantages and disadvantages of various retail formats. Students will develop research skills as they investigate topics related to clothing.

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Raising Healthy Children (Open) **HPC3OR**

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.

GUIDANCE & CAREERS

Learning Strategies 1: Skills for Success (Open) **GLE2OR**

(Available to students with an IEP)

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, personalmanagement 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.

This course is available to students in consultation with the Head of Specialized Services.

Career Studies (half credit) (Open) **GLC2OR**

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.

HEALTH & PHYSICAL EDUCATION

Healthy Active Living Education (Open) **PPL2OR**

(Emphasis on team sports)

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.

Personal Fitness (Open) **PAF2OR**

(Emphasis on Fitness and Individual/Partner activities)

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.

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Personal Fitness (Weight Training) (Open) **PAI2OR**

(Emphasis on fitness and development through Weight Training)

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.

LANGUAGES

English (Locally Developed) **ENG2LR**

Prerequisite: Gr. 9 English credit

This course provides students who have completed the ENG 1LR course or who have experienced significant difficulties in previous English courses an opportunity to obtain sufficient background and skill developed to prepare them for Grade 11 and 12 Workplace Preparation courses. Whenever possible, ideas will be presented in real-life context, providing students with the opportunity to read, write and explore media topics. Technology will be used wherever appropriate. Assessment and evaluation will be done using a wide variety of strategies.

English (Applied) **ENG2PR**

Prerequisite: Gr. 9 English Destreamed

This course emphasizes key reading, writing, oral communication, and thinking skills that students need for success in secondary school and their daily lives. Students will study plays, short stories, and newspaper and magazine articles, and will describe and create media works. An important focus will be the correct use of spoken and written language.

English (Academic) **ENG2DR**

Prerequisite: Gr. 9 English Destreamed

This course extends the range of analytic, reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs. Students will study and interpret challenging texts from contemporary and historical periods, including novels, poems, plays, and opinion pieces, and will analyze and create effective media works. An important focus will be the thoughtful use of spoken and written language.

Core French (Academic) **FSF2DR**

Prerequisite: Gr. 9 French credit

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

Introduction to Spanish (Open) **LWS2BD**

This course provides opportunities for students to begin to develop and apply fundamental skills in listening, speaking, reading, and writing in Spanish. Students will communicate and interact in structured activities and practical situations, with a focus on matters of personal interest and familiar topics, and will read and write simple texts in Spanish. Throughout the

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course, students will acquire a general understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also develop skills necessary for lifelong language learning.

MATHEMATICS

Mathematics (Locally Developed) **MAT2LR**

Prerequisite: Grade 9 Mathematics Credit

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

Foundations of Mathematics (Applied) **MFM2PR**

Prerequisite: Grade 9 Math Destreamed

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

Principles of Mathematics (Academic) **MPM2DR**

Prerequisite: Grade 9 Math Destreamed

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

SCIENCE

Science (Locally Developed) **SNC2LR**

Prerequisite: Grade 9 Science credit

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life and in the workplace. Students explore a range of topics, including science in media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

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Science (Applied) **SNC2PR**

Prerequisite: Grade 9 Science Destreamed

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.

Science (Academic) **SNC2DR**

Prerequisite: Grade 9 Science Destreamed

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.

SHOP TECHNOLOGY

Construction Technology (Open) **TCJ2OR**

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.

Manufacturing Technology (Open) **TMJ2OR**

This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or injection moulding. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary and postsecondary pathways leading to careers in the industry.

Small Engines and Recreational Equipment Transportation Technology (Open) **TTJ2O1**

Note: Students who choose both TTJ2O1 and TTJ2OR will have their TTJ2O! course code changed to TTS3C

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

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Automotive Transportation Technology (Open) **TTJ2OR**

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

Automotive Transportation Technology: Vehicle Ownership (Open) **TTJ3OR**

This course is a general interest course with no prior knowledge or experience required

This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry.

COMPUTER TECHNOLOGY

Technological Design (Open) **TDJ2OR**

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 learn about secondary and postsecondary education and training leading to careers in the field.

Communications Technology (Open) **TGJ2OR**

This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields. ($10 enhancement fee)

ADDITIONAL TECHNOLOGY

Hospitality and Tourism Technology (Open) **TFJ2OR**

This course emphasizes the scope of the hospitality and tourism industry. Students will study food origins, food-handling techniques and food preparation, health and safety standards, and the use of specialized tools and equipment. They will also investigate travel and tourism activities in Ontario, develop effective communication and management skills, and identify career opportunities in the hospitality and tourism industry.

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Grade 11 Courses Offered at FFSS

Specialist High Skills Major (SHSM): Students interested in taking SHSM in Construction, Transportation, or Information Communication Technology (ICT) should check the SHSM box on their online course selection. For more information regarding the SHSM programs refer to the pages at the end of the course calendar or speak to your Guidance Teacher.

THE ARTS

Dramatic Arts (Open) **ADA3OR**

Recommend: Dramatic Arts, Grade 10 (ADA 2O1), Novice

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

Dramatic Arts (University/College) **ADA3MR**

Prerequisite: Dramatic Arts, Grade 9 (ADA 1OR) or 10 (ADA 2OR), Open

Strongly Recommend: Dramatic Arts, Grade 9 (ADA 1OR) and 10 (ADA 2OR), Open

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

Music (Guitar) (Open) **AMG3OR**

Note: It is recommended that students supply their own instrument.

Prerequisite: Music, Introductory Guitar, (AMG 10R), Open

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

Music (Band) (College/University) **AMU3MR**

Prerequisite: Music, Grade 9 Band (AMU 1OR) or 10 Band (AMU 2OR), Open

Strongly Recommend: Music, Grade 9 Band (AMU 1OR) and 10 Band (AMU 2OR), Open

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.

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Visual Arts (College/University) **AVI3MR**

Prerequisite: Visual Arts, Grade 9 (AVI 1OR) Open or Grade 10 (AVI 2OR), Open

Strongly Recommend: Visual Arts, Grade 9 (AVI 1OR) Open and Grade 10 (AVI 2OR) Open

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form. This third year program involves the academic and theoretical exploration of critical issues through investigations in art making and art history in order to enhance the student's ability to produce and understand art objects through experiences designed to refine the technical and intellectual skills integral to effective visual communication.

Visual Arts (Intermediate Photography) (College/University) **AWQ3MR**

Prerequisite: Visual Arts, Grade 10 Introductory Photography (AWQ 2OR), Open

This course focuses on PHOTOGRAPHY including the DSLR as well as digital image processing.

This course provides students with opportunities to further develop their skills and knowledge in visual arts. Students will explore a range of subject matter through studio activities, and will consolidate their practical skills. Students will also analyze art works and study aspects of Western art history (Photography), as well as art forms from Canada and other parts of the world. The primary focus will be on using photography (including digital technology) as a unique, creative, and expressive form of art making which will supplement the students' artistic abilities and personal photographic interests by further developing technical and critical thinking skills, through studio experiences.

BUSINESS

Introduction to Financial Accounting (College/University) **BAF3MR**

Prerequisite: None

This course introduces students to the fundamental principles and procedures of accounting, with emphasis on accounting procedures used in service and merchandising businesses. Students will develop an understanding of the connections between financial analysis, control, and decision making in the management of a business, as well as the effects of technology and globalization on accounting procedures and the role of the accountant.

Entrepreneurship: The Venture (College/University) **BDI3CR**

Prerequisite: None

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

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CANADIAN & WORLD STUDIES

American History **CHA3UR**

Prerequisite: Canadian History, Grade 10 Academic or Applied

This course explores key aspects of the social, economic, and political development of the United States from precontact to the present. Students will examine the contributions of groups and individuals to the country's evolution and will explore the historical context of key issues, trends, and events that have had an impact on the United States, its identity and culture, and its role in the global community. 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 various forces that helped shape American history.

World History to the End of the Fifteenth Century (College/University) **CHW3MR**

Prerequisite: Canadian History in the Twentieth Century, Grade 10, Academic or Applied

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.

Travel and Tourism: A Canadian Perspective **CGG3OR**

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

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.

Understanding Canadian Law (College/University) **CLU3MR**

Prerequisite: Canadian History in the Twentieth Century, Grade 10, Academic or Applied

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.

Introduction to Anthropology, Psychology, and Sociology (College) **HSP3CR**

Prerequisite: None

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.

Introduction to Anthropology, Psychology, and Sociology (University) **HSP3UR**

Prerequisite: The Grade 10 academic course in English, or the Grade 10 academic history course (Canadian and world studies)

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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.

Beliefs, Values and Aspirations of Aboriginal Peoples in Contemporary Society (Workplace) **NBV3ER**

Prerequisite: Canadian History in the Twentieth Century, Grade 10, Academic or Applied

This course focuses on the diverse beliefs, values, and aspirations between First Nations, Métis, and Inuit peoples of Canada. Students will examine issues of identity facing Aboriginal individuals and communities in connection to changing relationships with the land, nature, one another and Canada. By examining their own worldview and investigating factors that influence perspectives over time, students will develop their understanding of how traditional and contemporary beliefs and values influence present and future aspirations of Aboriginal peoples.

Beliefs, Values and Aspirations of Aboriginal Peoples in Contemporary Society (College) **NBV3CR**

Prerequisite: Canadian History in the Twentieth Century, Grade 10, Academic or Applied

This course focuses on the diverse beliefs, values, and aspirations between First Nations, Métis, and Inuit peoples of Canada and the political, economic, cultural and social challenges facing Aboriginal individuals and communities from various regions and cultures. By examining their own beliefs, values and assumptions, the worldviews of others and factors that influence worldviews, students will appreciate how traditional and contemporary beliefs and values influence present and future aspirations of Aboriginal peoples.

Canada: History, Identity, Culture **CHI4UR**

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

This course traces the history of Canada, with a focus on the evolution of our national identity and culture as well as the identity and culture of various groups that make up Canada. Students will explore various developments and events, both national and international, from precontact to the present, and will examine various communities in Canada and how they have contributed to identity and heritage in Canada. Students will investigate the development of culture and identity, including national identity, in Canada and how and why they have changed throughout the country's history. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate the people, events, and forces that have shaped Canada.

Adventures in World History **CHM4ER**

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or the locally developed in Canadian history

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

LANGUAGES

English (Workplace) **ENG3ER**

Prerequisite: English, ENG 2LR

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This course emphasizes the development of literacy, critical thinking, and communication skills. Students will study the content, form, and style of informational texts and literary works; write explanations, letters, and reports; and investigate the connections among media forms, audiences, and media industry practices. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts listening, speaking, reading, and writing.

English: Contemporary Aboriginal Voices (University) **NBE3UR (to replace ENG3UR)**

Prerequisite: Gr. 10 Academic English

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.

English: Contemporary Aboriginal Voices (College) **NBE3CR (to replace ENG3CR)**

Prerequisite: Gr. 10 Academic or Applied English

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.

Media Studies (Open) **EMS3OR**

Prerequisite: English, Grade 10, Academic or Applied

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

Core French (University) **FSF3UR**

Prerequisite: Core French, Grade 10, Academic

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

Introduction to Spanish (Open) **LWS2BD**

This course provides opportunities for students to begin to develop and apply fundamental skills in listening, speaking, reading, and writing in Spanish. Students will communicate and interact in structured activities and practical situations, with a focus on matters of personal interest and familiar topics, and will read and write simple texts in Spanish. Throughout the course, students will acquire a general understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also develop skills necessary for lifelong language learning.

The Writer's Craft (College) **EWC4CR**

Prerequisite: English, Grade 11, College

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

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The Writer's Craft (University) **EWC4UR**

Prerequisite: English, Grade 11, University

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

FAMILY STUDIES

Raising Healthy Children (Open) **HPC3OR**

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.

Understanding Fashion (College) **HNC3CR**

This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. They will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.

Managing Personal Resources (College) **HIP4OR**

This course focuses on preparing students for living independently and working successfully with others. Students will learn to manage their personal resources to meet their basic needs for food, clothing, and housing. They will also learn about their personal, legal, and financial responsibilities and develop and apply interpersonal skills in order to make wise and responsible personal and occupational choices. Students will apply research and inquiry skills while investigating topics related to personal life management. The course emphasizes the achievement of expectations through practical experiences.

GUIDANCE & CAREERS

Advanced Learning Strategies: Skills for Success After Secondary School (Open) **GLE3OR**

(Available to students with an IEP)

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

This course is available to students in consultation with the Head of Specialized Services.

Leadership and Peer Support (Open) **GPP3OR**

Prerequisite: Career Studies, Grade 10

This course prepares and motivates students to provide leadership and assistance to others in their school and communities.

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Students will develop skills in communication, interpersonal relations, coaching, leadership, teamwork, and conflict management, and apply them in roles such as tutoring, mentoring, and student council involvement. Students will 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. Being a peer tutor requires excellent attendance and a strong sense of responsibility and commitment: an interview/information session will be part of the admission procedure for this course.

Cooperative Education (Open) **GWL3OD (2 credits) or GWL3OQ (4 credits)**

Prerequisite: None

This course consists of a community-connected experience and a cooperative education curriculum that incorporates relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning at school and beyond, today and in the future, as well as in their education and career/life planning. Within the context of the community-connected experience, students will apply, extend, and refine skills and knowledge acquired in their related course or courses and will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being. They will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.

Navigating the Workplace **GLN4OR**

This course provides students with opportunities to develop the workplace essential skills and work habits required for success in all types of workplaces. Students will explore occupations and careers of interest through participation in real workplace experiences.They will make plans for continued learning and work, work with others to design learning experiences, and investigate the resources and support required to make a smooth transition to their postsecondary destination.

HEALTH & PHYSICAL EDUCATION

Healthy Active Living **PPL3OR**

(Emphasis on team sport and leadership skills)

These courses enable students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through active 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 how to interact positively with others, and develop their ability to think critically and creatively.

Outdoor Education **PAD3OR**

(Emphasis on outdoor activities)

(Enhancement fee is required to cover the cost of activities)

These courses enable students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through active 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 how to interact positively with others, and develop their ability to think critically and creatively.

Personal Fitness **PAF3OR**

(Emphasis on fitness and individual/partner activities)

These courses enable students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through active participation in a wide range of physical activities and exposure to a

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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 how to interact positively with others, and develop their ability to think critically and creatively.

Personal Fitness - Weight Training **PAI3OR**

(Emphasis on fitness and development through weight training)

These courses enable students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through active 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 how to interact positively with others, and develop their ability to think critically and creatively.

Recreation and Healthy Active Living Leadership **PLF4MR**

A separate application is required.

Prerequisite: Any health and physical education course

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.

MATHEMATICS

Mathematics for Work and Everyday Life (Workplace) **MEL3ER**

Prerequisite: Mathematics, Grade 10, Academic, or Foundations of Mathematics, Grade 10, Applied, or a ministry-approved locally developed Grade 10 mathematics course

This course enables students to broaden their understanding of mathematics as it is applied in important areas of day-to-day living. Students will solve problems associated with earning money, paying taxes, and making purchases; 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. ***This course is open to Grade 11 and 12 students.***

Mathematics for Work and Everyday Life (Workplace) **MEL4ER**

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

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will use statistics in investigating questions; apply the concept of probability to solve problems in 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. ***This course is open to Grade 11 and 12 students.***

Foundations for College Mathematics (College) **MBF3CR**

Prerequisite: Foundations of Mathematics, Grade 10, Applied

This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analysing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

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Functions and Applications (University/College) **MCF3MR**

Prerequisite: Principles of Mathematics, Grade 10, Academic or Foundations of Mathematics, Grade 10 Applied

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

Functions and Relations (University) **MCR3UR**

Prerequisite: Principles of Mathematics, Grade 10, Academic

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 resolve multi-step problems.

SCIENCE

Science (Workplace) **SVN3ER**

Prerequisite: Grade 9 Science, locally developed or destreamed

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.

Environmental Science (University/College) **SVN3MR**

Prerequisite: Gr. 10 Applied or Academic Science

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.

Biology (College) **SBI3CR**

Prerequisite: Science, Grade 10, Academic or Applied

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.

Biology (University) **SBI3UR**

Prerequisite: Gr. 10 Science Academic

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

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helps students refine skills related to scientific investigation.

Chemistry (University) **SCH3UR**

Prerequisite: Science, Grade 10, Academic

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.

Physics (University) **SPH3UR**

Prerequisite: Science, Grade 10, Academic

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.

Health Science (University/College) **SNC4MR**

Prerequisite: Science, Grade 10, Academic, or any Grade 11 course in science

This course enables students, including those pursuing post secondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' scientific investigation skills.

SHOP TECHNOLOGY

Construction Technology (College) **TCJ3CR**

Strongly Recommend: TCJ 2OR

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.

Custom Woodworking (Workplace) **TWJ3ER**

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

Manufacturing Technology (College) **TMJ3CR**

Strongly Recommend: TMJ 2OR

This course enables students to develop knowledge and skills through hands-on, project-based learning. Students will acquire design, fabrication, and problem solving skills while using tools and equipment such as lathes, mills, welders, computer-aided machines, robots, and control systems. Students may have opportunities to obtain industry-standard

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certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

Small Engines and Recreational Equipment Transportation Technology (College) **TTS3CR**

Strongly Recommend: TTJ 2O1

This course enables students to develop technical knowledge and skills as they study, test, service, and repair vehicles, engines, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation, and will learn about apprenticeship and college programs leading to careers in the transportation industry. *Some possible projects students could have the opportunity to work on would be: lawn mowers, motorcycles, chain saws, ATV's, dirt bikes, snowmobiles, Sea Doos, snow blowers, trimmers, small boats, etc.*

Automotive Transportation Technology: Vehicle Ownership (Open) **TTJ3OR**

This course is a general interest course with no prior knowledge or experience required

This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry.

Automotive Transportation Technology (College) **TTJ3CR**

Strongly Recommend: TTJ 2OR

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

COMPUTER TECHNOLOGY

Introduction to Computer Programming (College) **ICS3CR**

Prerequisite: None

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 computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and postsecondary opportunities in computer-related fields. **This course will focus on computer programming (coding) and feature elements of video game design.**

Introduction to Computer Science (University) **ICS3UR**

Prerequisite: None

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

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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. **This course will focus on more advanced computer programming (coding) and feature elements of video game design.**

Technological Design (University/College) **TDJ3MR**

Strongly Recommend: TDJ 2MR

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.

Communications Technology (University/College) **TGJ3MR**

Strongly Recommend: TGJ 2OR

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

Communications Technology: Broadcast and Print Production (Open) **TGJ3OR**

Prerequisite: None

This course enables students to develop knowledge and skills in the areas of graphic communication, printing and publishing, audio and video production, and broadcast journalism. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Practical projects may include the making of signs, yearbooks, video and/or audio productions, newscasts, and documentaries. Students will also develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

Computer Engineering Technology: Robotics and Control Systems (University/College) **TER3MR**

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of related environmental and societal issues, and will learn about college and university programs leading to careers in computer technology. This course provides an emphasis on Robotics and Control Systems.

ADDITIONAL TECHNOLOGY

Yearbook (Open) **IDC3OY**

This course will help students combine 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. Through individual and collaborative inquiry and research, students will analyse the connections among diverse subjects and disciplines: develop information literacy skills in analysing, selecting, evaluating, and communicating information; and become aware of a variety of resources and viewpoints on contemporary issues.

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Green Industries (Workplace) **THJ3ER**

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.

Hospitality and Tourism (College) **TFJ3CR**

Prerequisite: None

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

Hospitality and Tourism (Workplace) **TFJ3ER**

Prerequisite: None

This course enables students to acquire knowledge and skills related to the food and beverage services sector of the tourism industry. Students will learn how to prepare, present, and serve food using a variety of tools and equipment, and will develop an understanding of the fundamentals of providing high-quality service to ensure customer satisfaction and the components of running a successful event or activity. Students will develop an awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

Health Care: Support Services (Workplace) **TPJ4ER**

Prerequisite: None

This course enables students to develop the basic skills needed for careers in a range of health care support services. Students will practice and apply a variety of clinical procedures and infection control skills as they learn about principles of infection control, service excellence, and the nature of the healthcare industry. Students will also investigate workers' health and safety issues, environmental and societal issues related to health care, and career opportunities in the field.

Grade 12 Courses Offered at FFSS

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Ontario Scholar - An Ontario Scholar is a student who has an average of 80% in their top six grade 12 coded courses. It is not dependent on when these grade 12 courses were taken.

Honour Roll - To be on the honour roll for grade 12, a student must have an average 80% in the top six courses.

THE ARTS

Dramatic Arts (University/College) **ADA4MR**

Prerequisite: Dramatic Arts, Grade 11 (ADA 3MR) U/C

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

Music (Band) (University/College) **AMU4MR**

Prerequisite: Music, Grade 11 Band, (AMU 3MR) U/C

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.

Visual Arts (University/College) **AVI4MR**

Prerequisite: Visual Arts, Grade 11, (AVI 3MR), U/C or Visual Arts, Grade 11 Intermediate Photography, (AWQ 3MR), U/C

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. Students will produce a body of work demonstrating a personal approach. Students will establish their own course of study by; selecting and exploring in depth, a specific approach to art making, furthering their understanding of intellectual and technical concepts (ie. relationships between artists, artworks, and art historical moments) related to art and the process of visual communication, through a shared studio experience; networking with other senior visual art students in a unique environment, evaluating their studio work in concert with their classmates and the instructor, and developing a portfolio of work suitable for post secondary admissions.

BUSINESS

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International Business Fundamentals (College/University) **BBB4MR**

Prerequisite: None

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

CANADIAN & WORLD STUDIES

World Issues: A Geographic Analysis (College) **CGW4CR**

Prerequisite: Canadian Geographic Issues, Grade 9 Destreamed

This course looks at the global challenge of creating a more sustainable and equitable world. Students will explore a range of issues involving environmental, economic, social, and geopolitical interrelationships, and will examine governmental policies related to these issues. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate these complex issues, including their impact on natural and human communities around the world.

World Issues: A Geographic Analysis (University) **CGW4UR**

Prerequisite: Any University or University/College preparation course in Canadian and world studies, English, or Social Sciences and Humanities

This course explores the global challenge of meeting the basic needs of all people while sustaining the natural environment. Students will examine global inequities, including those related to food, water, energy, and development, and will explore global issues through environmental, social, economic, and political lenses. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate a range of current geographic issues facing Canada and the world.

Canada: History, Identity and Culture (University) **CHI4UR**

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

This course traces the history of Canada, with a focus on the evolution of our national identity and culture as well as the identity and culture of various groups that make up Canada. Students will explore various developments and events, both national and international, from precontact to the present, and will examine various communities in Canada and how they have contributed to identity and heritage in Canada. Students will investigate the development of culture and identity, including national identity, in Canada and how and why they have changed throughout the country's history. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate the people, events, and forces that have shaped Canada.

Adventures in World History **CHM4ER**

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or the locally developed in Canadian history

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

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Challenge and Change in Society **HSB4UR**

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

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

Legal Studies (College) **CLN4CR**

Prerequisite: Civics

This course provides a foundation for students who wish to pursue a career that requires an understanding of law. Students will explore the importance of law, analysing contemporary legal issues and their relevance to daily life. They will investigate the requirements for various law-related careers as well as legal responsibilities in the workplace. Students will apply the concepts of legal thinking and the legal studies inquiry process to investigate their rights and responsibilities, legal processes and structures, and the role of law in a changing society.

Canadian and International Law (University) **CLN4UR**

Prerequisite: Any University or University/College preparation course in Canadian and world studies, English, or Social Sciences

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop their understanding of the principles of Canadian and international law when exploring rights and freedoms within the context of topics such as religion, security, cyberspace, immigration, crimes against humanity, and environmental protection. Students will apply the concepts of legal thinking and the legal inquiry process when investigating these issues in both Canadian and international contexts, and they will develop legal reasoning skills and an understanding of conflict resolution in the area of international law.

FAMILY STUDIES

Managing Personal Resources (College) **HIP4OR**

This course focuses on preparing students for living independently and working successfully with others. Students will learn to manage their personal resources to meet their basic needs for food, clothing, and housing. They will also learn about their personal, legal, and financial responsibilities and develop and apply interpersonal skills in order to make wise and responsible personal and occupational choices. Students will apply research and inquiry skills while investigating topics related to personal life management. The course emphasizes the achievement of expectations through practical experiences.

Nutrition and Health (College) **HFA4CR**

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

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

Nutrition and Health (University) **HFA4UR**

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

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

GUIDANCE AND CAREER EDUCATION

Advanced Learning Strategies: Skills for Success After Secondary School (Open) **GLE4OR**

(Available to students with an IEP)

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

This course is available to students in consultation with the Head of Specialized Services.

Cooperative Education **GLN4OD (2 credits) or GLN4OQ (4 credits)**

Prerequisite: None

This course consists of a community-connected experience and a cooperative education curriculum that incorporates relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning at school and beyond, today and in the future, as well as in their education and career/life planning. Within the context of the community-connected experience, students will apply, extend, and refine skills and knowledge acquired in their related course or courses and will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being. They will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.

Navigating the Workplace **GLN4OR**

This course provides students with opportunities to develop the workplace essential skills and work habits required for success in all types of workplaces. Students will explore occupations and careers of interest through participation in real workplace experiences.They will make plans for continued learning and work, work with others to design learning experiences, and investigate the resources and support required to make a smooth transition to their postsecondary destination.

HEALTH & PHYSICAL EDUCATION

Healthy Active Living Education (Open) **PPL4OR**

(Emphasis on team sport and leadership skills)

These courses enable students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through active 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 how to interact positively

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with others, and develop their ability to think critically and creatively.

Outdoor Education **PAD4OR**

(Emphasis on outdoor activities)

(Enhancement fee is required to cover the cost of activities)

These courses enable students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through active 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 how to interact positively with others, and develop their ability to think critically and creatively.

Personal Fitness **PAF4OR**

(Emphasis on fitness and individual/partner activities)

These courses enable students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through active 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 how to interact positively with others, and develop their ability to think critically and creatively.

Fitness and Lifestyle Management - Dual Credit **PAF4OU**

This course will be taught by an FFSS teacher and a College Instructor

****Dual Credit course will run pending approval***

This is a dual credit (1 high school and 1 college credit) offered at FFSS. Society has come to recognize that physical fitness and wellness is essential to the enhanced quality of life. This course introduces the student to the concepts of physical fitness and provides the means to become fit and develop a healthy lifestyle. Students through practical experience will address the various components of fitness. The student will engage in an effective fitness program and develop strategies to be successful at the various police services fitness standards.

Personal Fitness - Weight Training **PAI4OR**

(Emphasis on fitness development through weight training)

These courses enable students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through active 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 how to interact positively with others, and develop their ability to think critically and creatively.

Introductory Kinesiology (University) **PSK4UR**

Prerequisite: Any Grade 11 University or University/College preparation course in Science, or any Grade 11 or 12 open course in health and physical education

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

An enhancement fee is required to cover the cost of lab/activity workbook.

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Recreation and Healthy Active Living Leadership **PLF4MR**

A separate application is required.

Prerequisite: Any health and physical education course

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.

LANGUAGES

English (Workplace) **ENG4ER**

Prerequisite: English, Grade 11, Workplace

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will study informational texts and literature from various countries and cultures; write summaries, reports, résumés, and short essays; complete an independent research project; and explain the connections among media forms, audiences, and media industry practices. An important focus will be on using specialized language related to the workplace accurately and coherently in appropriate contexts.

English (College) **ENG4CR**

Prerequisite: English, Grade 11, College

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse informational texts and literary works from various time periods, countries, and cultures; write research reports, summaries, and short analytical essays; complete an independent study project; and analyse the interactions among media forms, audiences, and media industry practices. An important focus will be on establishing appropriate style and using business and technical language effectively.

English (University) **ENG4UR**

Prerequisite: English, Grade 11, University

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse a range of challenging texts from various time periods, countries, and cultures; write analytical and argumentative essays and a major paper for an independent literary research project; and apply key concepts to analyse media works. An important focus will be on understanding academic language and using it coherently and confidently in discussion and argument.

Ontario Literacy Course (Open) **OLC4OR**

Eligibility: Students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once are eligible to take the course.

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

The Writer's Craft (College) **EWC4CR**

Prerequisite: English, Grade 11, College

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

The Writer's Craft (University) **EWC4UR**

Prerequisite: English, Grade 11, University

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

Core French (University) **FSF4UR**

Prerequisite: Core French, Grade 11, University

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

MATHEMATICS

Mathematics for Work and Everyday Life (Workplace) **MEL4ER**

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

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will use statistics in investigating questions; apply the concept of probability to solve problems in 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. ***This course is open to Grade 11 and 12 students.***

Foundations for College Math (College) **MAP4CR**

Prerequisite: Foundations of Mathematics, Grade 11, Applied, College Preparation, or Function Models, Grade 11, University/College Preparation (or Functions, Grade 11, University Preparation)

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; apply measurement in designing and constructing physical models; 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.

Math for College Technology **MCT4CR**

Prerequisite: Functions and Applications, Grade 11, University/College Preparation, or Functions, Grade 11, University 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.

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Mathematics of Data Management (University) **MDM4UR**

Prerequisite: Functions, Grade 11, University Preparation, or Functions Models, Grade 11, University/College 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.

Calculus and Vectors (University) **MCV4UR**

Prerequisite: Grade 12 Advanced Functions, University

This course builds on students' previous experience with functions and their developing understanding of rate of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of 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.

Note: Advanced Functions must be taken concurrently with or can precede Calculus and Vectors.

Advanced Functions (University) **MHF4UR**

Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College 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 in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

SCIENCE

Biology (University) **SBI4UR**

Prerequisite: Biology, Grade 11, University

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

Chemistry (College) **SCH4CR**

Prerequisite: Science, Grade 10, Academic or Applied

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.

Chemistry (University) **SCH4UR**

Prerequisite: Chemistry, Grade 11, University

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

Physics (College) **SPH4CR**

Prerequisite: Science, Grade 10, Academic or Applied

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts as they relate to mechanical, electrical, fluid (hydraulic and pneumatic), and communications systems, as well as to the operation of commonly used tools and equipment. They will develop scientific-inquiry skills as they verify accepted 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.

Physics (University) **SPH4UR**

Prerequisite: Physics, Grade 11, University

This course enables students to deepen their understanding of the concepts and theories of physics. Students will explore further the laws of dynamics and energy transformations, and will investigate electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. They will further develop inquiry skills, learning, for example, how the interpretation of experimental data can provide indirect evidence to support the development of a scientific model. Students will also consider the impact on society and the environment of technological applications of physics.

Health Science (University/College) **SNC4MR**

Prerequisite: Science, Grade 10, Academic, or any Grade 11 course in science

This course enables students, including those pursuing post secondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' scientific investigation skills.

SHOP TECHNOLOGY

Construction (College) **TCJ4CR**

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

Custom Woodworking (Workplace) **TWJ4ER**

Prerequisite: Custom Woodworking, Grade 11, Workplace Preparation

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

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Manufacturing Technology (College) **TMJ4CR**

Prerequisite: Manufacturing Technology Grade 11, College Preparation TMJ 3CR

This course enables students to further develop knowledge and skills related to machining, welding, print reading, computer numerical control (CNC), robotics, and design. Students will develop proficiency in using mechanical, pneumatic, electronic, and computer control systems in a project-based learning environment and may have opportunities to obtain industry-standard training and certification. Students will expand their awareness of environmental and societal issues and career opportunities in the manufacturing industry.

Small Engine and Recreational Equipment Transportation Technology (College) **TTS4CR**

Prerequisite: Transportation Technology, College Preparation: TTS 3CR

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

Automotive Transportation Technology (College) **TTJ4CR**

Prerequisite: Transportation Technology, College Preparation: TTJ 3CR

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

COMPUTER TECHNOLOGY

Computer Programming **ICS4CR**

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

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

Computer Science **ICS4UR**

Prerequisite: Introduction to Computer Science, Grade 11, University Preparation

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyse algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field. **This course will focus on more advanced computer programming (coding) and feature elements of video game design.**

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Technological Design (University/College) **TDJ4MR**

Prerequisite: Technological Design Grade 11, University/College Preparation TDJ 3MR

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 explore career opportunities and the postsecondary education and training requirements for them.

Communications Technology: Digital Imagery and Web Design (Open) **TGJ4OR**

Prerequisite: None

This course enables students to develop knowledge and skills in the areas of photography, digital imaging, animation, 3D modelling, and web design. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Practical projects may include photo galleries, digital images, animations, 3D models, and websites. Students will also expand their awareness of environmental and societal issues related to communications technology, and will explore postsecondary education, training, and career opportunities.

Communications Technology (University/College) **TGJ4MR**

Prerequisite: Communications Technology, Grade 11, University/College Preparation TGJ 3MR

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

Robotics and Control Systems (University/College) **TER4MR**

Prerequisite: Robotics and Control Systems, Grade 11, University/College TER 3MR

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of related environmental and societal issues, and will learn about college and university programs leading to careers in computer technology. This course provides an emphasis on Robotics and Control Systems.

ADDITIONAL TECHNOLOGY

Interdisciplinary Studies - Yearbook (Open) **IDC4OR**

This course emphasizes the development of practical skills and knowledge to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Through individual and collaborative inquiry and research into contemporary issues, real-life situations, and careers, students will apply the principles and skills derived from the complementary subjects and disciplines studied, evaluate the reliability of information, and examine how information technology can be used safely, effectively, and legally. They will also learn how to select strategies to define problems, research alternative solutions, assess their thinking in reaching decisions, and adapt to change as they acquire new knowledge.

Green Industries (Workplace) **THJ4ER**

Prerequisite: Green Industries, Grade 11, Workplace Preparation

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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.

Hospitality and Tourism (College) **TFJ4CR**

Prerequisite: TFJ3CR

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

Hospitality and Tourism (Workplace) **TFJ4ER**

Prerequisite: TFJ3ER

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

Health Care: Support Services (Workplace) **TPJ4ER**

Prerequisite: None

This course enables students to develop the basic skills needed for careers in a range of health care support services. Students will practice and apply a variety of clinical procedures and infection control skills as they learn about principles of infection control, service excellence, and the nature of the healthcare industry. Students will also investigate workers' health and safety issues, environmental and societal issues related to health care, and career opportunities in the field.

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Compulsory Courses

What do you need to graduate from high school?

18 compulsory credits

Students must earn the following compulsory credits to obtain the Ontario Secondary School Diploma:

4	credits in English (1 credit per grade)*
3	credits in mathematics (1 credit in Grade 11 or 12)
2	credits in science
1	credit in Canadian history
1	credit in Canadian geography
1	credit in the arts
1	credit in health and physical education
1	credit in French as a second language
0.5	credit in career studies
0.5	credit in civics

In addition, students must complete:

✓	12 optional credits†
✓	40 hours of community involvement activities
✓	the provincial literacy requirement

Plus one credit from each of the following groups:

1	**Group 1**: • English or French as a second language** • a Native language • a classical or international language • social sciences and the humanities • Canadian and world studies • guidance and career education • cooperative education***
1	**Group 2**: • health and physical education • the arts • business studies • French as a second language** • cooperative education***
1	**Group 3**: • science (Grade 11 or 12) • technological education • French as a second language** • computer studies • cooperative education***

* A maximum of 3 credits in English as a second language (ESL) or English literacy development (ELD) may be counted towards the 4 compulsory credits in English, but the fourth must be a credit earned for a Grade 12 compulsory English course.

** In groups 1, 2 and 3, a maximum of 2 credits in French as a second language can count as compulsory credits, one from group 1 and one from either group 2 or group 3.

*** A maximum of 2 credits in cooperative education can count as compulsory credits.

† The 12 optional credits may include up to 4 credits earned through approved dual credit courses.

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Students entering Grade 9 in 2024-25 will be required to earn one Gr. 9 or 10 Technology credit to graduate aside from the OSSD graduation requirements listed above.

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Course Planner

Ontario Secondary School Diploma Tracking Sheet

Use this sheet to plan which courses you would like to take in order to be eligible to apply to your Post-Secondary program of choice. Be sure to indicate the stream you are choosing (academic, applied, open, college, university, mixed, workplace, etc.)

Grade 9	Grade 10	Grade 11	Grade 12
English	English	English	English
Math	Math	Math	
Science	Science		
Geography	History		
French	Civics and Careers		
Phys. Ed.			
Art (Music for Creating, Visual Arts, Drama, Guitar, Music)			
Tech (Exploring Tech or Hospitality and Tourism) *for those students starting Grade 9 in September, 2024			

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Specialist High Skills Major (SHSM)

What is a Specialist High Skills Major (SHSM)?

A Specialist High Skills Major (SHSM) is a ministry approved specialized program that allows students to focus their learning on a specific economic sector while meeting the requirements to graduate from secondary school. It also assists in their transition after graduation to apprenticeship training, college, university, or the workplace. The three SHSM's offered at FFSS are Construction, Transportation, and Information Communications Technology.. Please review the following course bundles needed and the free certification requirements.

CONSTRUCTION

GRADE 11		GRADE 12	
Requirements	**Courses**	**Requirements**	**Courses**
Gr. 11 Major Options	TCJ3C, TCJ3E, TDJ3O, TDJ3M, TMJ3C, TMJ3E, THJ3E, TTJ3C, TTJ3E, TTJ3O, TWJ3E, AVI3M, SPH3U	Gr. 12 Major Options	TCJ4C, TCJ4E, TMJ4C, TMJ4E, TDJ4M, TDJ4O, THJ4E, TTJ4C, TWJ4E, AVI4M, CGW4C, SPH4C, SPH4U, *TSL4T* or OYAP Carpentry, Plumbing or Welding
4 Major Credits need to be taken total. Up to 3 co-op credits can be subbed for majors (on top of the mandatory 2 co-op)			
1 English	ENG3CR/NBE3CR; ENG3ER; ENG3UR/NBE3UR	1 English	ENG4CR; ENG4ER; ENG4UR
1 Math	MBF3CR; MCF3MR; MEL3ER; MCR3UR	1 Math	MAP4CR; MCT4CR; MEL4ER MHF4UR; MCV4UR; MDM4UR
1 Business or Science **In grade 11 or 12**	BAF3MR; BMI3CR SBI3CR; SVN3ER/3MR; SBI3UR; SCH3UR; SPH3UR SPH4CR; SCH4CR	1 Business/Science **In grade 11 or 12**	BOH4MR SCH4CR; SPH4CR; SBI4UR; SCH4UR; SPH4UR, SBI3CR, SVN3ER
An additional co-op or an additional Major Tech course can sub for the Business/Science requirement.			
Co-op 2 credits minimum 4 period co-op recommended Summer Co-op **In grade 11 or 12**	Sector-related; 4 period co-op recommended; if completing a 4 period: one of the extra credits can count as one of the four majors AND the other extra may be substituted for the science/business	Co-op 2 credits minimum 4 period co-op recommended Summer co-op **In grade 11 or 12**	Sector-related; 4 period co-op recommended; if completing a 4 period: one of the extra credits can count as one of the four majors AND the other extra may be substituted for the science/business

SHSM – Construction

The Construction Specialist High Skills Major program at FFSS will focus on the tools, techniques and industry practices used in the construction industry today. Students enrolled in this program will combine essential technical classroom theory with invaluable experiential learning in a practical hands-on learning environment. Students will receive industry recognized specialized training, including formwork, framing, exterior finishing techniques, interior finishing techniques, electrical, plumbing, HVAC systems and masonry techniques. Students will also gain valuable work experience and will benefit from co-operative education placements with local businesses and tradespeople throughout the City of Kawartha Lakes.

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TRANSPORTATION

GRADE 11		GRADE 12	
Requirements	**Gr. 11 Courses**	**Requirements**	**Gr. 12 Courses**
2 Majors	TTJ3C, TTJ3O, TTS3C TMJ3C, TMJ3E, TDJ3M, TCJ3C, TCJ3E, TTS3C, TWJ3E, TEJ3M, TER3M, TGJ3M, ICS3C, ICS3U, SPH3U,	2 Majors	TTJ4C, TTS4C, TMJ4C, TMJ4E, TCJ4C, TCJ4E, TGJ4O, TDJ4M, TGJ4M, TEJ4M, TER4M, ICS4C, ICS4U, SPH4C, SPH4U, or OYAP Automotive or Welding
4 Major Credits need to be taken total. Up to 3 co-op credits can be subbed for majors (on top of the mandatory 2 co-op)			
1 English	ENG3CR/NBE3CR; ENG3ER; ENG3UR/NBE3UR	1 English	ENG4CR; ENG4ER; ENG4UR
1 Math	MBF3CR; MCF3MR; MEL3ER; MCR3UR	Math Recommended, but not required	MAP4CR; MCT4CR; MEL4ER MHF4UR; MCV4UR; MDM4UR
1 Business or Science **In grade 11 or 12**	BAF3MR; BMI3CR SBI3CR; SVN3ER; SBI3UR; SCH3UR; SPH3UR	1 Business/Science **In grade 11 or 12**	BOH4MR SCH4CR; SPH4CR; SBI4UR; SCH4UR; SPH4UR; SBI3CR
An additional co-op or an additional Major Tech course can sub for the Business/Science requirement.			
Co-op 2 credits minimum 4 period co-op recommended Summer co-op **In grade 11 or 12**	Sector-related; 4 period co-op recommended; if completing a 4 period: one of the extra credits can count as one of the four majors AND the other extra may be substituted for the science/business	Co-op 2 credits minimum 4 period co-op recommended Summer co-op **In grade 11 or 12**	Sector-related; 4 period co-op recommended; if completing a 4 period: one of the extra credits can count as one of the four majors AND the other extra may be substituted for the science/business

SHSM - Transportation

The SHSM in Transportation Technology at FFSS will focus on the maintenance, service, and repair of modern vehicles, with an emphasis on the new and emerging field of hybrid-electric vehicle technology. The course will combine essential technical classroom instruction with invaluable experiential learning in an automotive shop environment. Students will receive specialized training in the rapidly advancing field of technology that is found in today's modern vehicles, including vehicle electronics and computer-controlled systems, on-board diagnostic systems, and hybrid-electric vehicle technology. In addition, as part of the SHSM program, our students will benefit from co-operative education placements with local businesses and tradespeople throughout the City of Kawartha Lakes.

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INFORMATION COMMUNICATION TECHNOLOGY

GRADE 11 **GRADE 12**

Requirements	Gr. 11 Courses	Requirements	Gr. 12 Courses
2 Majors	TGJ3O, TGJ3M TER3M, TCJ3C, TCJ3E, ICS3C, ICS4U, TMJ3E, TMJ3C, AWQ3M, TDJ3M, SPH3U	2 Majors	TGJ4O, TGJ4M, TER4M, ICS4C, ICS4U,, SPH4C, IDC4U, SPH4U, TDJ4M, TCJ4C, TCJ4E, TMJ4C, TMJ4E
4 Major Credits need to be taken total. Up to 3 co-op credits can be subbed for majors (on top of the mandatory 2 co-op)			
1 English	ENG3C/NBE3C; ENG3E; ENG3U/NBE3U	1 English	ENG4CR; ENG4ER; ENG4UR, OLC4O
1 Math	MBF3CR; MCF3MR; MEL3ER; MCR3UR	Math available, but not required	MAP4CR; MCT4CR; MEL4ER MHF4UR; MCV4UR; MDM4UR
1 Art, Business or Science **In grade 11 or 12**	BAF3M, BMI3C, SBI3C, SVN3E, SVN3M, SBI3U, SCH3U, SPH3U, ADA3O, ADA3M, AMU3M, AVI3M, AWQ3M, CLU3M, EMS3O	1 Art, Business, or Science **In grade 11 or 12**	BOH4MR, SCH4CR, SPH4CR, SBI4UR; SCH4UR, SPH4UR, SNC4M, ADA4M, AMU4M, AVI4M, AWT4M, GLE4O, CLN4U
An additional co-op or an additional Major Tech course can sub for the Business/Science/Art requirement.			
Co-op 2 credits minimum 4 period co-op recommended Summer co-op **In grade 11 or 12**	Sector-related; 4 period co-op recommended; if completing a 4 period: one of the extra credits can count as one of the four majors AND the other extra may be substituted for the art/science/business	Co-op 2 credits minimum 4 period co-op recommended Summer co-op **In grade 11 or 12**	Sector-related; 4 period co-op recommended; if completing a 4 period: one of the extra credits can count as one of the four majors AND the other extra may be substituted for the art/science/business

SHSM - Information Communications Technology

The Information Communications Technology (ICT) Specialist High Skills Major program at FFSS will allow students to develop the necessary skills to communicate effectively in today's digital world. Students will develop skills relating to website design, robotics and coding, digital art, and broadcasting skills.

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Accelerated OYAP

The Ontario Youth Apprenticeship Program (OYAP) is a secondary school Co-operative Education option for students interested in pursuing a career in the Skilled Trades. OYAP provides students with an opportunity to earn credits toward their Ontario Secondary School Diploma while acquiring skills and knowledge in their chosen trade.

- Level 1 schooling for apprenticeship at Durham or Fleming in semester 2 of grade 12 (2-3 days/week)
- Co-op placement in the related field (when not at college)
- Gain work experience and hours towards apprenticeship
- Free schooling, books, transportation

What Accelerated OYAP does TLDSB offer?

Plumber	Electrician
Welder	Industrial Machine Mechanic
General Carpenter	Hairstylist
Chef	Automotive Service Tech

(subject to change)

Application process:

- Choose OYAP during course selections
- Submit an application (usually April of Grade 11 year)
- Interview at the College (usually May of Grade 11 year)
- If successful, work with the co-op teacher to find an employer to support you

What are the advantages of OYAP?

- The chance to be a college student while in high school
- Student will gain 2 or 3 college courses (free books and tuition)
- Learn on the job with your possible employer
- Head start on your apprenticeship (hours and schooling)

For further information contact a Guidance teacher, or visit the Ministry of Education website: **www.oyap.com**. A list of local OYAP opportunities will be available in April from the Guidance office or the Co-op office.

oyap
ONTARIO YOUTH APPRENTICESHIP PROGRAM

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Cooperative Education

This course consists of a learning experience connected to a community and a cooperative education curriculum that incorporates relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply, extend, and refine skills and knowledge acquired in their related course or courses and will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being. They will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.

Brief Overview:

- Students in grade 11 and 12 can sign up for co-op (students can choose both years)
- 2 period (morning/afternoon) and 4 period (full day) co-ops are available
- 1 co-op credits consists of 110 hours of preplacement assignments, integration meetings, final assignments, and on-the-job experience

Advantages of Co-operative Education:

- gain hands on experience in a workplace setting
- the opportunity to "try out" a career before committing to a post-secondary program
- create community connections
- if pursuing an apprenticeship and the co-op is in an apprenticeable trade, the student can use the hours towards the apprenticeship
- experience to add to a cover letter and resume

For further information about the Co-operative Education program at FFSS contact Sandy Sims at ext: 32023

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Dual Credits

Dual credit programs are ministry-approved programs that allow students, while they are still in secondary school, to take college or apprenticeship courses that count towards both the Ontario Secondary School Diploma (OSSD) and a postsecondary certificate, diploma, or degree, or an apprenticeship certification. There are two types of Dual Credits:

In House Dual Credits:

- earn two high school credits and one college credit
- these dual credits take place in a classroom at Fenelon Falls Secondary School
- they are taught by a high school teacher and an instructor from Fleming College
- In House Dual Credits are a two period commitment (EX: all morning or all afternoon for one semester)

Grade 11/12 In-House Dual Credit (2024-25)
PAF4OU - Fitness and Lifestyle Management

College Dual Credits:

- earn one high school credit and one college credit
- these dual credits take place at Fleming College in Lindsay or Peterborough or online
- students are bussed to the campus one day a week for a semester
- students are taught by a College Instructor
- College Dual Credits are a full day commitment but students will be back in time to catch their bus home
- College dual credits require an application process which must be completed through a Guidance Teacher

Semester 1 Dual Credit offered in 2023/24	**Semester 2 Dual Credit offered in 2023/24**
Rig Maintenance and Repair	Makeup Artistry
Applied Welding	Applied Tools and Piping
Manicure	Ecosystem Skills
Carpentry Fundamentals	Residential Mechanical Systems
Personal Finance	Drilling
	Nursing/PSW
	Electrical Fundamentals
	Measurement and Tools
	Introduction to Psychology
	Environmental Drilling
	Criminology

(dual credit offerings change on a year-to-year basis)

For further information contact a Guidance Teacher, or visit the Ministry of Education website:
www.edu.gov.on.ca/studentsuccess.
For local dual credit opportunities go to **https://www.tldsb.ca/pathways-dualcredits/**

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E-Learning Graduation Requirements

Online learning graduation requirement

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

Definition of "online learning" for this graduation requirement

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

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

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

Check with your local school if you have questions regarding the registration process.

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

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

Opting out of the E-Learning Graduation Requirement

If you wish to opt out of the E-Learning Requirement, please scan the QR Code below and have a parent/guardian fill out the form. If you are viewing this document online, you can click here to access the form.

Community Service Hours

Every student is required to participate in 40 hours of community involvement and submit their hours in order to receive an Ontario Secondary School Diploma. Students may start accumulating community involvement hours in the summer before they enter Grade 9. The purpose is to encourage

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students to develop an understanding of the various roles they play in their community and to help develop a greater sense of belonging.

Please visit the Fenelon Falls Secondary School website to submit your hours electronically or scan the QR code below.

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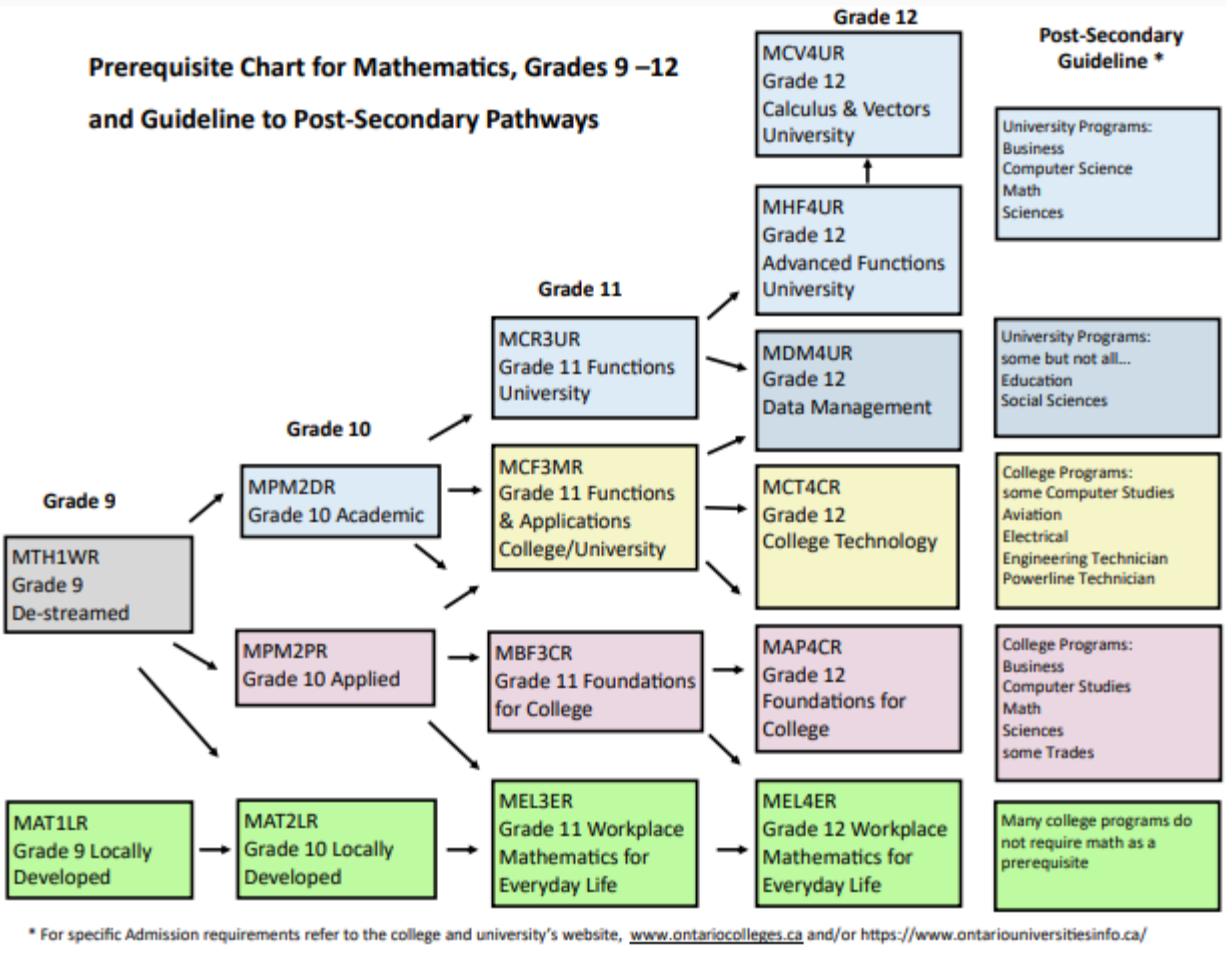

* For specific Admission requirements refer to the college and university's website, www.ontariocolleges.ca and/or https://www.ontariouniversitiesinfo.ca/

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Science Pathway Chart

University	Grade 11	Grade 12
Biology	SBI3UR	SBI4UR
Chemistry	SCH3UR	SCH4UR
Physics	SPH3UR	SPH4UR
Science (Health)	SNC4MR	

College	Grade 11	Grade 12
Biology	SBI3CR	
Chemistry		SCH4CR
Physics		SPH4CR
Science (Health)	SNC4MR	

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