

Orillia Secondary School

Welcome to Orillia Secondary School where you can achieve academic success, raise your social consciousness, strive for gold in athletics, express your creative side through the arts or shops and make lifetime friends. OSS has a variety of opportunities for students to succeed in all areas of school life.

Our students will be encouraged and supported in exploring their interests and talents so they can acquire the necessary skills to be successful in both learning and life. Ultimately, the goal for all our students is to be happy, productive, and contributing members in our ever-changing world.

Program highlights:

Specialist High Skills Major in Music, Performing Arts & Entertainment – Students interested in pursuing careers in the arts & culture sector will benefit from the industry recognized certifications and experiences this program can offer.

Specialist High Skills Major in Construction: Fabrication Focus – Students interested in pursuing careers in the skilled trades and engineering pathways will benefit from the practical skills, certifications, and experiential learning offered in this program.

Specialist High Skills Major in Health and Wellness – Students interested in pursuing careers in health care or in fitness & health promotion will benefit from the cluster of courses, certifications, and reach ahead experiences offered within this specialized program.

Course selection information – timelines and due dates:

Guidance counsellors will be assisting students with course options and pathway planning throughout February 2024. All course selections will be completed online using my Blueprint. www.myblueprint.ca/simcoe

Final deadline for course requests (all grades): March 1st, 2024

The Secondary section of the SCDSB website provides families and students with detailed, accurate, and up-to-date information about diploma requirements, as well as general information on school programs and courses offered. Additionally, the website provides information on county-wide programs, Specialist High Skills Majors, school-based supports, and Student Success initiatives. To access the page, visit www.scdsb.on.ca/secondary/planning_for_high_school.

This information is also available in the SCDSB Secondary Student Handbook in a downloadable, printable format and can be accessed on the SCDSB website at the link above.

ORILLIA



ORILLIA SS - CONDENSED CALENDAR

2024-2025 Academic Year

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ARTS				
Drama (Open)	ADA10	ADA20	ADA30	
Drama (College/University)			ADA3M	ADA4M
Drama Production (College/University) *runs in alternate odd years			ADD3M	ADD4M
Musical Theatre (College/University) **2 credit package running 2025-2026			AMT3M	AMT4M
Music-Guitar (Open)			AMG30	
Music-Guitar (College/University)			AMG3M	AMG4M
Music Stage Band (College/University)			AMH3M	AMH4M
Music – Instrumental Experienced (Open, College/University)	AMI10	AMI20	AMI3M	AMI4M
Music – Instrumental (Open)	AMU10	AMU20		
Music – Vocal (Open)		AMV20		
Music – Vocal (College/University)			AMV3M	AMV4M
Music – Music and Computers (Open)			AMM30	
Music and Computers (College/University)			AMM3M	AMM4M
Dance (Open)		ATC20	ATC30	
Dance (College/University)			ATC3M	ATC4M
Visual Arts (Open, Workplace)	AVI10	AVI20	AVI30	AVI4E
Visual Arts (College/University)			AVI3M	AVI4M
Visual Arts – Media Arts (Open)			ASM30	ASM4M
			ASM3M	
Integrated Indigenous Arts (Open)	NAC10			

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
BUSINESS				
Building the Entrepreneurial Mindset (Open)	BEM10			
Launching and Leading a Business (Open)		BEP20		
Financial Accounting Fundamentals (College/University)			BAF3M	BAT4M
Business Leadership: Becoming a Manager (Workplace)				BOG4E
Business Leadership: Management Fundamentals (College/University)				BOH4M
Entrepreneurial Studies: Venture Planning (College)			BDI3C	BDV4C

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
CANADIAN & WORLD STUDIES				
Issues in Canadian Geography (De-streamed)	CGC1W			
Travel and Tourism: A Geographic Perspective (Open)			CGG30	
Canadian and World Issues (University) *offered alternate even years				CGW4U
Canadian & International Politics (University) *offered alternate odd years				CPW4U
Canadian History since World War I (Academic)		CHC2D		
Canadian History since World War I (Applied)		CHC2P		
Canadian History since World War I (Locally developed)		CHC2L		
Civics and Citizenship (half credit taken with a half Careers)		CHV2OH		
World History to the End of the 15th Century (College/University)			CHW3M	
World History since the Fifteenth Century (College)				CHY4C
World History since the Fifteenth Century (University)				CHY4U
World History since 1900: Global and Regional Interactions (Open)			CHT30	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
CANADIAN & WORLD STUDIES				
Adventures in History (Workplace)				CHM4E
Understanding Law (College/University)			CLU3M	
Legal Studies (College)				CLN4C
Canadian and International Law (University)				CLN4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
CO-OPERATIVE EDUCATION				
Creating Opportunities through Coop (2 credit placement)			GWL3O2	
Navigating the Workplace (4 credit placement)				GLN4O4

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ENGLISH				
English Second Language (Open)	ESLBO1			
English (De-streamed)	ENL1W	ENG2D		
English (Applied)		ENG2P		
English (Locally Developed)	ENG1L	ENG2L		
English (College)			NBE3C	ENG4C
English (University)			NBE3U	ENG4U
English (Workplace)			NBE3E	ENG4E
Literacy Course (Open)			OLC3O	OLC4O
Writers Craft (College)				EWC4C
Writers Craft (University)				EWC4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
FIRST NATIONS, METIS, and INUIT STUDIES				
First Nations, Metis, and Inuit in Canada (Open)		NAC2O		
Worldviews & Aspirations of FNMI Communities in Canada (Workplace)			NBV3E	
Contemporary FNMI Issues & Perspectives (College/University)			NDA3M	
Indigenous Issues & Perspectives in a Global Context (College/University)				NDW4M
Integrated Indigenous Arts (Open)	NAC1O			
Native Languages – Ojibwe (Level 1 and Level 2)	LNOAO	LNOBO		

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
FRENCH AND INTERNATIONAL LANGUAGES				
Core French (De-streamed)	FSF1D	FSF2D	FSF3U	FSF4U
Core French (Applied)		FSF2P		
Core French (Open)	FSF1O			
Latin (Academic, University)		LVLBD	LVLCU	LVLDU
Native Languages- Ojibwe (Level 1 and Level 2)	LNOAO	LNOBO		

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
GUIDANCE & CAREER EDUCATION & SPECIAL EDUCATION (* Only for students with an Individual Education Plan)				
Learning Strategies: Skills for Success In Secondary School	GLE1O*	GLE2O*	GLE3O*	GLE4O*
Career Studies (half credit taken with a half credit in Civics)		GLC2OH		
Discovering the Workplace (Open)		GLD2O		

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
HEALTH AND PHYSICAL EDUCATION				
Healthy Active Living Education (F=female, M=male, 1=co-ed)	PPL1OF PPL1OM	PPL2OF PPL2OM	PPL3OF PPL3OM	PPL4O1
Healthy Living and Personal & Fitness Activities (Female)		PAF2OF		
Healthy Living and Personal & Fitness Activities (co-ed)			PAF3O	PAF4O
Healthy Living and Outdoor Activities (co-ed)			PAD3O	PAD4O
Introduction Kinesiology (University)				PSK4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
INTERDISCIPLINARY STUDIES				
Studies in Education: Peer Leadership (University)				IDC4U
Forensic Science (Open)			IDC3O	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
MATHEMATICS				
Grade 9 Mathematics (De-streamed)	MTH1W			
Principles of Mathematics (Academic)		MPM2D		
Foundations of Mathematics (Applied)		MFM2P		
Mathematics (Locally Developed)	MAT1LL	MAT2LL		
Functions (University)			MCR3U	
Functions and Applications (College/University)			MCF3M	
Foundations for College Mathematics (College)			MBF3C	MAP4C
Mathematics for College Technology (College/University)				MCT4C
Mathematics for Work and Everyday Life (Workplace)			MEL3E	MEL4E
Advanced Functions (University)				MHF4U
Calculus and Vectors (University)				MCV4U
Mathematics of Data Management (University)				MDM4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
SCIENCE				
Grade 9 Science (De-streamed)	SNC1W	SNC2D SNC2P		
Science (Locally Developed or Workplace)	SNC1L	SNC2LL		SNC4E
Biology (College)			SBI3C	
Biology (University)			SBI3U	SBI4U
Chemistry (College)				SCH4C
Chemistry (University)			SCH3U	SCH4U
Environmental Science (Workplace)			SVN3E	
Environmental Science (College/University)			SVN3M	
Physics (College)			SPH3U	SPH4C
Physics (University)				SPH4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
SOCIAL SCIENCE AND THE HUMANITIES				
Exploring Family Studies (Open)	HIF1O			
Food and Nutrition (Open)		HFN2O		
Food and Culture (Workplace)			HFC3E	
Food and Healthy Living (Workplace)				HFL4E
Housing and Home Design (Open)			HLS3O	
Challenge and Change in Society (University)				HSB4U
Introduction to Anthropology (College)			HSP3C	
Introduction to Anthropology (University)			HSP3U	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
SOCIAL SCIENCE AND THE HUMANITIES				
Nutrition and Health (College)				HFA4C
Nutrition and Health (University)				HFA4U
Personal Life Management (Open)				HIP4O
Raising Healthy Children (Open)			HPC3O	
Clothing (Open)		HNL2O		
The World of Fashion (College/Univ.)				HNB4M

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
TECHNOLOGICAL EDUCATION				
Technology and the Skilled Trades (Open)	TAS1O			
Communications Technology (Open)		TGJ2O		
Communications Technology (College/University)			TGJ3M	TGJ4M
Yearbook: Print and Graphic Communications (College/University)			TGG3M	
Computer Technologies (Open, Workplace)		TEJ2O	TEJ3E	TEJ4E
Computer Technologies (College/University)			TEJ3M	TEJ4M
Introduction to Computer Programming (Open/College)		ICD2O	ICS3C	ICS4C
Introduction to Computer Science (University)			ICS3U	ICS4U
Construction Technology (Open, Workplace)		TCJ2O	TCJ3E	TCJ4E
Construction Technology (College)			TCJ3C	TCJ4C
Custom Woodworking (Workplace)			TWJ3E	TWJ4E
Health Care Technology (Open, College)		TPJ2O	TPJ3C	TPJ4C
Health Care Technology (College/University)			TPJ3M	TPJ4M
Health Care: Support Services (Workplace)				TPJ4E
Manufacturing Technology (Open, Workplace)		TMJ2O	TMJ3E	TMJ4E
Manufacturing Technology (College)			TMJ3C	TMJ4C
Manufacturing Technology (College/University)			TMJ3M	TMJ4M
Technological Design (Open)		TDJ2O	TDJ3O	TDJ4O
Technological Design (College/University)			TDJ3M	TDJ4M
Transportation Technology (Open, Workplace)		TTJ2O	TTJ3O	TTJ4E
Transportation Technology (College)			TTJ3C	TTJ4C

Wellness is an active process of becoming aware of and making choices toward a healthy and fulfilling life. Wellness is more than being free from illness; it is a dynamic process of change and growth.

In support of SCDSB's Wellness vision, OSS staff and students work together to establish a healthy learning environment for all our students.

Vision:

The SCDSB nurtures positive mental health and holistic growth, which enables everyone to flourish



You can reach a Kids Help Phone Counselor 24/7 at [1-800-668-6868](tel:1-800-668-6868) or Text CONNECT to 686868

SCDSB eLearning



The Simcoe County District School Board partners with school boards throughout Ontario to offer many courses in an online format.

<https://prism.elearningstudents.ca/>

Online courses start and finish at the same time as a regular semester.

**** Registration for all eLearning courses must take place with both MyBlueprint Course Selection, and with your Guidance Counsellor.**

To be successful in eLearning, students must:

- log in and interact with their course daily
- interact online with other students in the discussion area, including small group collaboration
- expect to spend 75 minutes each day plus homework time

SCDSB Online Course Offerings 2024-2025

SCDSB eLearning				
Departments and Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ARTS	Media Arts (open)		ASM2OV	
	Visual Arts – Digital Media (open)		AWS3OV	
	Visual Arts (Univ./College)		AVI3MV	
BUSINESS	International Business Fundamentals (Univ./College)			BBB4MV
	Business Leadership (Univ./College)			BOH4MV
	Marketing: Goods, Services, Events (College)		BMI3CV	
	Entrepreneurship: The Venture (College)		BDI3CV	
	Marketing: Retail and Service (Workplace)		BMX3EV	
	Financial Accounting Fundamentals (Univ./College)		BAF3MV	
	CANADIAN AND WORLD STUDIES	Canadian and International Law (University)		
World Issues: A Geographic Analysis				CGW4UV
Legal Studies (College)				CLN4CV
The Environment and Resource Management (Univ./College)				CGR4MV
Travel and Tourism: A Geographic Perspective (Open)				CGG3OV
Understanding Canadian Law (Univ./College)				CLU3MV
Civics (Open)			CHV2OV	
Civics (Open) FRENCH			CHV2OUV	
Issues in Canadian Geography (Academic)		CGC1WV		
Issues in Canadian Geography (Academic) FRENCH		CGC1WUV		
ENGLISH	English (University)			ENG4UV
	English (College)			ENG4CV
	Writer's Craft (University)			EWC4UV
	English: Understanding Contemporary First Nations, Métis and Inuit Voices (University)			NBE3UV
	English: Understanding Contemporary First Nations, Métis and Inuit Voices (College)			NBE3CV
	Media Studies (Open)			EMS3OV

GUIDANCE AND CAREER EDUCATION	Career Studies (Open)		GLC2OV		
	Career Studies (Open) FRENCH		GLC2OUV		
	Designing Your Future (Open)			GWL3OV	
MATH	Data Management (University)				MDM4UV
	Advanced Functions (University)				MHF4UV
	Foundation for College Mathematics (College)				MAP4CV
	Functions (University)			MCR3UV	
	Foundations of Mathematics (College)			MBF3CV	
	Mathematics for Work and Everyday Life (Workplace)			MEL3EV	
	Mathematics for Work and Everyday Life (Workplace)				MEL4EV
HEALTH AND PHYSICAL EDUCATION	Kinesiology (University)				PSK4UV
	Health for Life (College)			PPZ3CV	
	Physical Education: Personal and Fitness Activities (Open)	PAF1OV			
SCIENCE	Science (Univ./College)				SNC4MV
	Science (Workplace)				SNC4EV
	Biology (University)				SBI4UV
	Environmental Science (Workplace)			SVN3EV	
	Chemistry (University)			SCH3UV	SCH4UV
SOCIAL STUDIES	Philosophy: Questions & Theories (University)				HZT4UV
	Human Growth & Development (Univ./College)				HHG4MV
	Equity and Social Justice (Univ./College)				HSE4MV
	Personal Life Management (Open)				HIP4OV
	Food and Culture (Univ./College)			HFC3MV	
	Food and Culture (University/College) FRENCH			HFC3MUW	
	Gender Studies (Univ./College)			HSG3MV	
	Introduction to Anthropology, Psychology and Sociology (University)			HSP3UV	
	Families in Canada (University)				HHS4UV
	Challenge and Change (University)				HSB4UV

Things to remember when taking an eLearning course:

- Students taking eLearning courses must have access to a computer (laptop or desktop) and a reliable internet connection. Smartphones and tablets are not sufficient.
- Students with online courses are not always directly supervised. It is expected that they work independently and with their teacher.
- Attendance is taken weekly in eLearning courses and students will be marked absent if they do not engage with the course in any given week.
- Students will be removed from courses for non-attendance.
- Courses are hosted through Brightspace (D2L) and teachers may also communicate with students through their SCDSB email.

Correspondence regarding eLearning courses will be sent to the student's SCDSB email. It is the student's responsibility to check this regularly.

SHSM Arts & Culture: Music, Performing Arts & Entertainment

This Performing Arts based SHSM will provide students with a strong foundation for a wide variety of careers directly and indirectly related to the performing arts. Our community has a thriving Arts community and data shows that multi-dimensional workers with flexible intellects are appealing to employers; this SHSM offers the opportunity to foster these skills.

Possible certifications include:

- First Aid / CPR
- Audition preparation
- Advanced training in a technique and/or a technology
- Event coordination
- Proposal/grant writing
- Music in Care

Career Exploration and Experiential Field trips may include:

- Metalworks Institute, Seneca at York,
- Cosmo Music Warehouse
- Roy Thompson Hall, Mirvish Theatres, Young Peoples Theatre, TIFF,
- Various college and universities,
- Performing Artist Talks, Musical Workshops, Lighting & Sound Workshops

Students may choose from the selection of courses that contribute to this SHSM as outlined below:

	<u>Course Titles</u>	<u>Grade 11</u>		<u>Grade 12</u>	
Major Credits 4 Required Any combination of Gr. 11 and 12 credits within the bundle Up to 3 additional co-op credits may be used	Arts (Music, Dance, Drama)	AMG30 / 3M AMH3M AMI3M AMT3M AMV3M AMX3M	ADA30 / 3M ADD3M ATC30 / 3M AMM30 /3M TGJ3M	AMG4M AMH4M AMI4M AMT4M AMV4M AMX4M	ADA4M ADD4M ATC4M AMM4M TGJ4M IDC4U
English 2 Required CLA Required+	English	ENG3C / NBE3C ENG3E / NBE3E	ENG3U / NBE3U OLC30	ENG4C ENG4E	ENG4U OLC40
Other 1 Required CLA Required 1 major credit or one additional co-op credit may be used	Business Studies	BDI3C	BAF3M	BDV4C BOG4E	BOH4M BAT4M
	Canadian & World Studies	CGG30, CGF3M CLU3M CHW3M, CHT30	GLE30 HNC3C NBV3E, NDA3M MEL3E, MEL4E OLC30	CLN4C / 4U CGW4U CHY4C / 4U CHM4E NDW4M	EWC4C / 4U GLE / GLS4O HNB4M IDC4U OLC40
Co-op 2 Credits Required	Cooperative Education <i>Placement related to SHSM program sector</i>	GWL3OC (2 credit)		GLN4O2 (2 credit) GLN4O4 (4 credit)	

+ students must complete Contextualized Learning Activities (CLAs) : the goal of a CLA is to build on the student's existing knowledge, enrich the learning experience & create connections outside the subject – with a specific SHSM focus. *For more information about the SHSM in Performing Arts at OSS, please speak with: Mrs. Matthie*



SHSM CONSTRUCTION: *Fabrication* focus

This SHSM is open to students in all pathways and is especially appealing to students who are interested in exploring the skilled trades, enjoy hands-on focused learning, and hope to network with employers to build skills desired in the workplace.

Possible certifications include:

- ▶ First Aid & CPR
- ▶ Working at Heights
- ▶ Fork lift training
- ▶ Elevated work platform
- ▶ Propane exchange

Career Exploration and Experiential Field trips may include:

- ▶ Toronto Woodworking Show, Canadian Manufacturing Tech Show
- ▶ Skilled Trades Toronto, National Heavy Equipment Show
- ▶ Tours of active building sites and companies in Simcoe County
- ▶ Plumbing, electrical, welding workshops at Georgian College

Students may choose from the selection of courses that contribute to this SHSM as outlined below:

	<u>Course Titles</u>	<u>Grade 11</u>		<u>Grade 12</u>	
Major Credits 4 Required Any combination of Gr. 11 and 12 credits within the bundle Up to 3 additional co-op credits may be used	Technological Education	TCJ3C / 3E TDJ3M / 3O TWJ3E	TMJ3C / 3E TMJ3M TTJ3C / 3O	TCJ4C / 4E TDJ4M / 4O TWJ4E	TMJ4C / 4E TMJ4M TTJ4C / 4E
English 2 Required 1 or 2 CLAs	English	ENG3C / NBE3C ENG3E / NBE3E	ENG3U / NBE3U OLC3O	ENG4C ENG4E	ENG4U OLC4O
Mathematics 1 or 2 Required CLA Required++	Mathematics	MBF3C MCR3U	MCF3M MEL3E	MAP4C MCT4C MEL4E	MHF4U MCV4U MDM4U
Other 1 Required CLA Required 1 major credit or one additional co-op credit may be used	Business Studies	BDI3C GLE3O1	BAF3M	BDV4C BOH4M BAT4M	BOG4E GLE/GLS4O1 OLC4O
	Science	SPH3U SVN3E OLC3O	SVN3M SBI3C / 3U MEL 3E	SPH4C SPH4U	SNC4E MEL4E
Co-op 2 Credits Required	Cooperative Education <i>Placement related to SHSM program sector</i>	GWL3OC (2 credit)		GLN4O2 (2 credit) GLN4O4 (4 credit)	

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For more information about the SHSM in Construction (*Fabrication*) at OSS, please speak with the following teacher: Mr. Bolen (Technology Dept.)



SHSM HEALTH & WELLNESS: Health Care or Fitness / Health Promotion

This SHSM is an opportunity for students with an interest in fitness, health care, health promotion, and wellness to discover connections between their high school experience and post-secondary goals that may include working in a hospital, healing clinic or fitness center.

Possible certifications include:

- First Aid & CPR
- Infection Control
- Medical terminology
- Wrapping & taping for injury prevention
- Leadership and communication skills

Career Exploration and Experiential Field trips may include:

- Trauma prevention program at RVH or Sunnybrook
- Post-secondary anatomy labs as well as high-performance fitness/athletic centers
- Health clinics, long term care facilities
- Demonstrations from a wide variety of health care practitioners

Students may choose from the selection of courses that contribute to this SHSM as outlined below:

	Course Titles	Grade 11		Grade 12	
Major Credits 4 Required Any combination of Gr. 11 and 12 credits within the bundle Up to 3 additional co-op credits may be used	Health & Physical Education	PPL3OF PPL3OM PAD3O	PAF3O PAI3O	PPL4O1 PAF4O PAI4O	PSK4U PAD4O
	Science	SBI3C SBI3U	SCH3U	SNC4E SCH4C	SBI4U SCH4U
	Social Science & Humanities	HFC3E HPC3O	HSP3C	HFA4C / 4U	HIP4O IDC4U
	Technology -- Health Care	TPJ3C	TPJ3M	TPJ4E	TPJ4C TPJ4M
English 2 Required 1 CLA Required	English	ENG3C / NBE3C ENG3E / NBE3E OLC3O	ENG3U / NBE3U	ENG4C ENG4E OLC4O	ENG4U
Mathematics 1 Required CLA Required	Mathematics	MBF3C MCR3U	MCF3M MEL3E	MAP4C MCT4C MEL4E	MHF4U MCV4U MDM4U
Other 1 Required CLA Required 1 major credit or one additional co-op credit may be used	Science	SBI3C / SBI 3U SCH3U	SPH3U	SBI4U SCH4C	SNC4E SPH4C SPH4U
	Social Science & Humanities	HFC3E HPC3O GLE3O1	HSP3C HSP3U	HFL4E GLE/GLS4O1	HIP4O HSB4U
Co-op 2 Credits Required	Cooperative Education Placement related to SHSM program sector	GWL3OC (2 credit)		GLN4O2 (2 credit) GLN4O4 (4 credit)	

+ students must complete Contextualized Learning Activities (CLAs) : the goal of a CLA is to build on the student's existing knowledge, enrich the learning experience & create connections outside the subject – with a specific SHSM focus.

For more information about the SHSM in Health & Wellness at OSS, please speak with the following teacher: Ms. Mavrou (Health Care)



ADA1O1: Dramatic Arts, Grade 9, Open[back to Arts](#)

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

ADA2O1: Dramatic Arts, Grade 10, Open

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

Prerequisite: none

ADA3O1: Dramatic Arts, Grade 11, Open

This course requires students to put together and present dramatic works dealing with stories, personal experiences, and local issues. Students will do research on and study contemporary theatrical forms, such as docudrama and forum theatre. They will interpret and present works in a variety of dramatic forms; create and script original works; analyze and reflect on dramatic works; and develop their communication skills and other skills useful in a variety of careers. This course will explore the potential of drama to build connections within the ensemble and with the wider community beyond the classroom.

Prerequisite: none

ADA3M1: Dramatic Arts, Grade 11, College/University

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

Prerequisite: ADA1O or ADA2O

ADA4M1: Dramatic Arts, Grade 12, College/University[back to Arts](#)

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

Prerequisite: ADA3M or ADD3M

NEW! This is a two-credit package that will run in odd years only

Next offering will be 2025-2026

ADD3M/4M and AMT3M/4M: Musical Theatre Production Course, double credit package

This course examines the world of theatre production with a focus on performing a full-length musical. Students will participate in the audition process, rehearsals in drama, vocal music and dance, the production process, as well as a series of performances for a variety of audiences. They will also explore character development, conflict resolution, leadership opportunities and effective reflection techniques. Students will apply concepts learned in the creative process to create and refine their own performances as well as reflect on the work of their peers to grow as members of an artistic community.

Prerequisite: ADA1O or ADA2O

****Important note:** One credit is earned during the school day in semester 1 as a period in student's timetable and the second credit is earned outside of the regular school day for the entire year!

Students who are interested in this course package should select ADD3M (grade 11) or ADD4M (grade 12) during course selection; the other credit will be added to timetables by Guidance. Students should also select enough courses to have a full in-school timetable in Power School

ARTS – MUSIC -- Instrumental

Have you ever wished you had the opportunity to play an instrument?! This beginning **‘no experience needed’** introduction course to the world of music and musical performance is for you. Students will select one instrument from the brass (trumpet, trombone, baritone, tuba, French horn), woodwind (flute, clarinet, saxophone) or percussion (too many to list all of the instruments) families and will learn how to read music notation and play a variety of tunes (i.e., Star Wars, Eye of the Tiger, Mission Impossible, various Movie Themes and much more). Students will use available technology to compose, create and perform their own masterpieces.

AMU101: Music, Grade 9, Open (For students with little or no music experience) BEGINNER

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.

Do you have several years of experience playing a band instrument (brass, woodwind, or percussion) in elementary school in grade 7 & 8? OR have you been taking private lessons on a band instrument for more than a year? This ‘experienced’ course is where you should be.

AMI101: Instrumental Music, Grade 9, Open (For Grade 9 students with instrumental band experience) EXPERIENCED

Do you want to continue playing, learning, developing, and making music with others? This music class is for students that have had previous band experience and can already **fluently** read either the treble or bass clef staves. Students will continue refining their skills through learning a variety of band pieces (i.e., movie themes, classic rock, rock, and jazz standards, etc.). Using available technology, students will compose, create, and perform their own masterpieces.

AMU201: Instrumental Music, Grade 10, Open

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This course is designed for students wanting to continue playing, learning, developing, and making music with others and have had a minimum of one semester of musical training. Students will continue refining their skills through learning a variety of band pieces. Using available technology, students will compose, create, and perform their own masterpieces. Students will have the opportunity to work in both large and small group ensemble settings.

Prerequisite: AMU101 recommended

AMI201: Music, Grade 10, Open

This course is designed for students wanting to continue to play the same instrument studied either in grade 9 or through private study. This course continues developing performance skills but will take it to the next level. Learning and skill development will be based around the pieces/songs the class is learning and students will have the opportunity to select tunes to learn from our music library. Students will use available technology (i.e. Noteflight, Soundtrap) to compose, create and perform their own masterpieces. Students will have the opportunity to work in both large and small group ensemble settings.

Prerequisite: AMI101

AMI3M1: Instrumental Music Grade 11, College/University Preparation

This course develops students’ musical literacy through performance and the preparation & presentation of musical works. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative & critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyze music from various genres and periods, they will develop skills transferable to other aspects of their life and their careers. Using available technology, students will compose, arrange, perform, and record their masterpieces. Students will have the opportunity to work in both large and small group ensemble settings.

Prerequisite: AMU201 or AMI201

AMH3M1: Music (Stage Band), Grade 11, College/University Preparation

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This course focuses on the study of stage band/jazz band repertoire and the development of the technique required for stage band performance. Instrumentation includes saxophone, trombone, trumpet, rhythm section (drums, bass, piano & guitar). 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 analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.

Prerequisite: AMU201 or AMI201

AMI4M1: Instrumental Music Grade 12, College/University Preparation

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Using available technology, students will compose, arrange, perform, and record their masterpieces. Students will have the opportunity to work in both large and small group ensemble settings.

Prerequisite: AMI3M1

AMH4M1: Music (Stage Band), Grade 12, College/University

This course continues to develop performance skills through the study of stage band repertoire and the development of the technique required for stage band performance. Instrumentation includes saxophone, trombone, trumpet, rhythm section (drums, bass, piano & guitar). Students will have 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 analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.

Prerequisite: AMI3M1 or AMH3M

ARTS – MUSIC -- Guitar**AMG3O1: Music (Guitar), Grade 11, Open**[back to Arts](#)

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

Prerequisite: None

AMG3M1: Music (Guitar), Grade 11, College/University Preparation

Students in this course should have previous musical knowledge but wish to apply and develop these skills on guitar. 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 analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.

Prerequisite: AMI1O1 or AMU1O1 or AMI2O1 or AMU2O1

AMG4M1: Music (Guitar), Grade 12, College/University

This course is designed as a continuation of the study of guitar techniques. Students will learn melodies and chorded accompaniments in a variety of musical styles. Using available technology students will compose, arrange, perform, and record their own tunes. Students will have the opportunity to explore additional string instruments.

Students will have 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 analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.

Prerequisite: AMG3M

ARTS – MUSIC and COMPUTERS**AMM3O1: Music & Computers, Grade 11, Open****AMM3M1: Music & Computers, Grade 11, College/University**

This course provides an opportunity for students to use some web-based programs for music creation. This could be film score creation, development of their own music or taking existing music and altering it or re-arranging it to make it their own. Students' musical literacy will be developed through performance and presentation of music productions using technology. Students will create works at a level consistent with previous experience. Independently, and collaboratively, students will use current technology as well as the creative & critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyze music from various genres and periods; they will develop skills transferable to other aspects of their life and

their careers.

Prerequisite: for AMM30 = none, for AMM3M = any grade 9 or 10 music course

AMM4M1: Music & Computers, Grade 12, College/University

This is a continuation of developing and expanding knowledge gained from the grade 11 AMM course. Students will continue to arrange & compose music for specific tasks while developing greater skills using the programs which are accessible. Independently, and collaboratively, students will use current technology as well as the creative & critical analysis processes to plan, produce, present, their musical creations. Students will respond to, reflect on, and analyze music from various genres and periods and will develop skills transferable to other aspects of their life and their careers.

Prerequisite: AMM3M

ARTS – MUSIC -- VOCAL

AMV2O1: Music (Vocal), Grade 10, Open

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This course emphasizes performance of vocal music at a beginner level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology and its appropriate use.

Prerequisite: None

AMV3M1: Music (Vocal), Grade 11, College/University

This course develops students' artistic knowledge and skills through the performance of vocal music. Students will perform appropriate works, including works in contemporary popular and classical styles. Independently and in groups, they will also plan, market and produce music productions, making use of appropriate technology, and will evaluate the results.

Prerequisite: AMV2O1

AMV4M1: Music (Vocal), Grade 12 College/University

This course emphasizes the performance, appreciation, and analysis of vocal music. Included will be music from the romantic period, twentieth century, jazz, popular music, art music, and Canadian and non-Western music. Students will focus on developing interpretive skills and the ability to work independently.

Prerequisite: AMV3M1

ARTS – DANCE

ATC2O1: Dance, Grade 10, Open

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

ATC3O1: Dance, Grade 11, Open

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

Prerequisite: None

ATC3M1: Dance, Grade 11, College/University Preparation

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This course emphasizes the development of students' artistry, improvisational and compositional skills, and technical proficiency in dance genres from around the world. Students will apply dance elements, techniques, and tools in a variety of ways, including performance situations; describe and model responsible practices related to the dance environment; and reflect on how the study of dance affects personal and artistic development.

Prerequisite: ATC2O1

ATC4M1: Dance, Grade 12, College/University Preparation

This course emphasizes the development of students' technical proficiency, fluency in the language of movement in dance genres from around the world and understanding of dance science. Students will explain the social, cultural, and historical contexts of

dance; apply the creative process through the art of dance in a variety of ways; and exhibit an understanding of the purpose and possibilities of continuing engagement in the arts as a lifelong learner.

Prerequisite: ATC3M1



*Orillia Secondary School offers a Specialist High Skills Major program in the area of Arts & Culture with a special emphasis on the **Performing Arts (Music, Drama, & Dance Focus Areas)** referred to as Music, Arts & Entertainment. Students can focus in the areas of music, drama, and / or dance. SHSM provides students with an opportunity to gain valuable experience and industry-recognized certifications. It also makes connections between academic studies, the world beyond high school, and future careers.*

Interested students should speak with Mrs Matthie in the Music Room for further details and contact their Guidance Counsellor if they wish to register.

ARTS – VISUAL ARTS

Have you ever wished you could draw more realistically? This course will help you do that, along with improving your sketching, perspective drawing, people drawing, painting and clay sculpting skills. You will learn a variety of design concepts which could be applied to many other courses and careers. No experience is necessary to be successful in gr. 9 visual art.

NAC10: Integrated Indigenous Art, Grade 9, Open

This course explores various arts disciplines (dance, drama, installation and performance art, media arts, music, storytelling, utilitarian or functional art, visual arts), giving students the opportunity to create, present, and analyze art works, including integrated art works/ productions, that explore or reflect First Nations, Métis, and Inuit perspectives and cultures. Students will examine the interconnected relationships between art forms and individual and cultural identities, histories, values, protocols, and ways of knowing and being. They will demonstrate innovation as they learn and apply art-related concepts, methods, and conventions, and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to creative arts challenges.

Prerequisite: None

AVI101: Visual Arts, Grade 9, Open

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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.

AVI201: Visual Arts, Grade 10, Open

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

Prerequisite: None

AVI301: Visual Arts, Grade 11, Open

This course focuses on studio activities in the visual arts, such as drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context.

Prerequisite: None

AVI3M1: Visual Arts, Grade 11, College/University Preparation

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

Prerequisite: AVI101 or AVI201

AVI4E: Visual Arts, Grade 12, Workplace[back to Arts](#)

This course focuses on a practical approach to a variety of art and design projects related to the workplace and community landscapes. Students will use the creative process to produce a traditional and/or digital portfolio of their work in a variety of media. They will also use the creative process through a hands-on approach to refine their skills and knowledge with a variety of media. Students will focus on various aspects which may include street art and graffiti, graphic arts, and a look at current contemporary artists and trends.

Prerequisite: AVI3O1

AVI4M1: Visual Arts, Grade 12, College/University Preparation

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

Prerequisite: AVI3M

ASM3O1: Media Arts, Grade 11, Open

This course enables students to create media art works using available and emerging technologies such as computer animation, digital imaging, video, and a variety of media. Students will explore the elements and principles of media arts, the connections between contemporary media art works and traditional art forms, and the importance of using responsible practices when engaged in the creative process. Students will develop the skills necessary to create and interpret media art works.

Prerequisite: none (AVI1O or AVI2O recommended)

ASM3M1: Media Arts, Grade 11, College/University

This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyze the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and values.

Prerequisite: none (AVI1O or AVI2O recommended)

ASM4M1: Media Arts, Grade 12, College/University

This course emphasizes the refinement of media arts skills through the creation of a thematic body of work by applying traditional and emerging technologies, tools, and techniques such as multimedia, computer animation, installation art, and performance art. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in either career or postsecondary education applications. Students will critically analyze the role of media artists in shaping audience perceptions of identity, culture, and community values.

Prerequisite: ASM3M1

BUSINESS STUDIES**BEM1O1: Building the Entrepreneurial Mindset, Grade 9, Open**

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

BEP2O1: Launching and Leading a Business, Grade 10, Open

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

Prerequisite: None

BAF3M1: Introduction to Financial Accounting, Grade 11, College/University Preparation[back to Business](#)

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

current issues in accounting. Computer applications in Excel and Simply Accounting will be used to reinforce concepts.

Prerequisite: None

BAT4M1: Financial Accounting, Grade 12, University Preparation

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

Prerequisite: BAF3M1

BDI3C1: Entrepreneurship – The Venture, Grade 11, College Preparation

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.

Prerequisite: None

BDV4C1: Entrepreneurial Studies, Grade 12, College Preparation

Students will create and participate in entrepreneurial learning and working environments. Industry standard software and computer simulations will assist students as they explore examples of entrepreneurial skills and learn to apply them to potential areas of business growth in the local economy and beyond. They will learn how enterprising skills may be utilized and how innovation plays a role in business development. They will apply this understanding with the creation of a business plan which develops a specific product or company.

Prerequisite: None

BOG4E1: Organizational Studies: Managing a Small Business, Grade 12, Workplace Preparation

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This course helps students prepare for managerial positions in their future careers. Students will focus on the development of core skills required to become a successful manager, including operations management, inventory control, marketing, financial planning, scheduling, and communication. Students will also explore the management challenges of hiring, training, and motivating employees, and complying with legal requirements. Students will examine stories of successful people in business, explore leadership styles and learn about ways to motivate employees. Video and a computer simulation "Go Venture" will be used to enrich learning.

Prerequisite: None

BOH4M1: Business Leadership: Management Fundamentals, Grade 12, College/University Preparation

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

Prerequisite: None

CANADIAN AND WORLD STUDIES – GEOGRAPHY

CGC1W1: Exploring Canadian Geography, Grade 9, De-streamed

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

CGG3O1: Travel and Tourism: A Regional Geographic Perspective, Grade 11, Open

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This course focuses on travel and tourism as a vehicle for the study of selected world regions. Using a variety of geo-technologies, virtual reality tools, and inquiry and communication methods, students will conduct and present case studies that develop their understanding of the unique characteristics of selected world regions; the environmental, cultural, economic and political factors that influence travel and tourism; and the impact of the travel industry on communities and environments around the world.

Prerequisite: CGC1D (De-streamed)

CGW4U1: Canadian and World Issues: A Geography Analysis, Grade 12, University Preparation

****this course runs alternate (even) years & will be offered in 2024-25**

In this course, students will address the challenge of creating a more sustainable and equitable world. They will explore issues involving a wide range of topics, including economic disparities, threats to the environment, globalization, human rights, and quality

of life, and will analyze government policies, international agreements, and individual responsibilities relating to them. Students will apply the concepts of geographic thinking and the geographic inquiry process, including the use of spatial technologies, to investigate these complex issues and their impacts on natural and human communities around the world. A focus on research and writing skills, using MLA formatting, will be introduced as preparation for university.

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

CANADIAN AND WORLD STUDIES -- HISTORY

CHC2D1: Canadian History Since World War I, Grade 10, Academic

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

CHC2P1: Canadian History Since World War I, Grade 10, Applied

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

CHC2LL: Canadian History in the Twentieth Century, Grade 10, Locally Developed

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This course focuses on the connections between the student and key people, events, and themes in Canadian history from World War I to the present. Students prepare for the Grades 11 and 12 Workplace Preparation history courses through the development and extension of historical literacy and inquiry skills. 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 will have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practice reading, writing, visual, and oral literacy skills, and mathematical literacy skills to identify and communicate ideas in a variety of forms.

CHW3M1: World History to the Sixteenth Century, Grade 11, College/University Preparation

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

Prerequisite: CHC2P or CHC2D

CHT3O1: World History Since 1900: Global Regional Perspectives, Grade 11, Open

This course focuses on major developments in world history from 1900 to the present. Students will explore the causes and consequences of global & regional conflicts, the impact of significant individuals & social movements, and the effects of social, economic, & political developments around the world. While some of the themes may be similar to the grade 10 course, each of the themes will be examined from multiple perspectives other than Canada.

Prerequisite: CHC2L or CHC2P or CHC2D

CHM4E1: Adventures in World History, Grade 12, Workplace Preparation

This course examines significant developments and events in world history from earliest times to the present. Students will explore a variety of social, cultural, economic, and political developments in different regions of the world and during different periods. In

addition to investigating how conflict, religion, work, and technology have helped shape people's lives, students will examine the contributions of some significant individuals to our global heritage. Students will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating a variety of human experiences in world history.

Prerequisite: *CHC2L or CHC2P or CHC2D*

CHY4U1: World History: The West and the World, Grade 12, University Preparation

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This course investigates the major trends in Western civilization and world history from the sixteenth century to the present. Students will learn about the interaction between the emerging West and other regions of the world and about the development of modern social, political and economic systems. They will use critical-thinking and communication skills to investigate the historical roots of contemporary issues and present their conclusions. A focus will be on essay writing and historical research skills using MLA formatting in order to prepare students for university or college.

Prerequisite: *Any university or College/University preparation course in Canadian & World Studies, English, or Social Sciences & Humanities.*

CHY4C1: World History: The West and the World, Grade 12, College Preparation

This course explores the history of the world since the sixteenth century, emphasizing the interaction between the emerging West and other regions of the world. Students will learn about a variety of economic, social and political systems and the changes they have undergone over time. Students will apply their developing skills of historical inquiry to understand and communicate ideas about the forces that have formed our modern world. Skills will focus on project organization and delivery of historical sources.

Prerequisite: *Any university, College/University, or college course in Canadian and World Studies, English, or Social Sciences & Humanities*

CANADIAN AND WORLD STUDIES – LAW

CLU3M1: Understanding Canadian Law, Grade 11, College/University Preparation

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

Prerequisite: *CHC2D or CHC2P*

CLN4C1: Legal Studies, Grade 12, College Preparation

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, analyzing 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.

Prerequisite: *Civics and Citizenship, Grade 10, Open*

CLN4U1: Canadian and International Law, Grade 12, University Preparation

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This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, through activities such as mock trial, UN Council, excursions and guest speakers.

Prerequisite: *Any university or College/University course in Canadian & World Studies, English, or Social Sciences and Humanities.*

CANADIAN AND WORLD STUDIES – POLITICS

CHV2OH: Civics, Grade 10, Open

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. *This compulsory half course (0.5 credit) is combined with GLC20H (0.5 credit).*

CPW4U1: Canadian and International Politics, Grade 12, University Preparation

****this course runs alternate (odd) years & will be offered again in 2025-2026**

This course explores various perspectives on issues in Canadian and world politics. Students will explore political decision making and ways in which individuals, stakeholder groups, and various institutions, including governments, multinational corporations, and non-governmental organizations, respond to and work to address domestic and international issues. Students will apply the concepts of political thinking and the political inquiry process to investigate issues, events, and developments of national and international political importance, and to develop and communicate informed opinions about them.

Prerequisite: Any university or College/University course in Canadian & World Studies, English, or Social Sciences and Humanities.

CO-OPERATIVE EDUCATION

GWL302: Creating Opportunities through Co-op, Grade 11, Open

This course consists of a learning experience connected to a community and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students 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 skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being and that will strengthen their inquiry, decision-making, and leadership skills. Students 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.

Prerequisite: None, GLC20 recommended

GLN404 (4 credit, gr.11/12): Navigating the Workplace, Cooperative Education Linked to a Related Course(s)

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.

Prerequisite: None, GLC20 recommended

- ▶ All students will be interviewed prior to beginning the program.
- ▶ During the interview process, students will be provided with a Co-op Information Form. The students' interests will be discussed at this time along with specific course expectations. These forms must be returned to the Co-op office.
- ▶ Placements are available in a wide variety of sectors including: animal care, automotive, construction, elementary schools, health care, retail stores, and many others ...
- ▶ Trades-related placements may provide the opportunity to register as an apprentice under the OYAP program (Ontario Youth Apprenticeship – <https://oyap.com>)

Important Note: Students may be required to have a criminal reference check and/or various immunizations (flu shot, TB test) prior to the start of placement. Please speak with a member of the Coop department for more information.

Orillia Secondary School offers a Specialist High Skills Major designation in three sectors: Performing Arts, Construction, as well as Health and Wellness. All SHSM students must complete a minimum of one 2 credit Co-op placement in a related sector as part of the program requirements.

Summer Co-op may be an option between grades 10 & 11 or between grades 11 & 12.



ENL1W1: English, Grade 9, De-streamed[back to English](#)

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. Texts studied will include a collection of short stories, graphic novels, a variety of class novels, as well as short plays and some media texts. Writing tasks will vary from short, structured paragraph responses to full-length essays.

ENG1LL: English, Grade 9, Locally Developed

This course emphasizes the key reading, writing, oral communication and thinking skills students need for success in secondary school and in their daily lives. The program builds toward the Grade 10 essential English course and works toward preparing students to enter the Grade 11 course in English at the Workplace level, as well as to complete the literacy test successfully. Students read a variety of narrative and expository forms, short novels and interactive fiction/drama. Students will also practice the skills necessary for clear and accurate spoken and written communication. Course activities will help develop confidence and self-esteem and provide motivation to succeed in school and life.

ENG2D1: English, Grade 10, Academic

This course will continue to prepare students for the reading, writing, and thinking required for post-secondary school. It is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. Texts studied will include short stories from a variety of authors and perspectives, a Shakespearean play, and an in-depth study of a combination of *Brother, Gutter Child*, *Internment*, or *Long Way Down*. Writing tasks will vary from a variety of paragraphs to literary essays.

Prerequisite: ENG1D (De-streamed), ENL1W

ENG2P1: English, Grade 10, Applied

This is our second course in the College / Workplace pathway and will continue preparing students for the reading, writing, and thinking required for post-secondary school and the workforce. It is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. Texts studied will include short stories from a variety of authors and perspectives, 'The Melville Boys' play, and an in-depth study of the novel *Z for Zachariah*, and will also include an independent novel study or literature circle study. Writing tasks will focus on improving literacy skills, the expository paragraph and multi-paragraph opinion piece, as well as informational writing.

Prerequisite: ENG1D (De-streamed), ENL1W

ENG2LL: English, Grade 10, Locally Developed

This course emphasizes the key reading, writing, oral communication and thinking skills students need for success in secondary school and in their daily lives. The program builds on the Grade 9 locally developed English course and works toward preparing students to enter the Grade 11 course in English at the workplace level and to attempt the literacy test with success. Students explore a variety of narrative and expository forms, poetry, and drama and refine the skills necessary for clear and accurate spoken and written language. Course activities further the development of confidence and self-esteem and provide motivation to succeed in school and life.

Prerequisite: ENG1LL, ENG1D (De-streamed), ENL1W

[back to English](#)**NBE3U1: English: Understanding Contemporary First Nations, Metis, Inuit Voices; Grade 11, University Preparation**

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

Prerequisite: ENG2D

NBE3C1: English: Understanding Contemporary First Nations, Metis, Inuit Voices; Grade 11, College Preparation

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

Prerequisite: *ENG2P or ENG2D*

NBE3E1: English: Understanding Contemporary First Nations, Metis, Inuit Voices; Grade 11, Workplace Preparation

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

Prerequisite: *ENG2L or ENG2P or ENG2D*

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ENG4C1: English, Grade 12, College Preparation

This course will focus primarily on the thinking and writing necessary for study in college. It emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. Texts studied will include a variety of informational texts and essays from the *Passages* text, and in-depth study of *A Long Way Gone*, *Bite of the Mango*, or *All Quiet on the Western Front*. Students will also complete an independent study ending in a research report and media presentation. The writing tasks will focus on informational and report writing.

Prerequisite: *ENG3C or NBE3C*

ENG4E1: English, Grade 12, Workplace Preparation

This is our final course in the workplace pathway and is designed to prepare students for the writing and communication expectations of the workplace. Texts studied will include a class novel study, informational and graphic texts, and assignments will focus primarily on information and persuasive writing in preparation for the workforce.

Prerequisite: *ENG3E or NBE3E*

ENG4U1: English, Grade 12, University Preparation

This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. Texts studied will include a variety of essays and informational texts from numerous sources, an in-depth study of either *Fifth Business*, *A Separate Peace*, *The Great Gatsby*, or *The Grapes of Wrath*, and a class study of "Hamlet." The independent study unit will focus on a comparison essay based on two independent novels and will require the presentation of a media piece based on these works. The writing tasks will focus on perfecting the literary essay, incorporating rhetorical devices, and there will be a variety of assignments helping students develop their critical thinking skills.

Prerequisite: *ENG3U or NBE3U*

EWC4U1: The Writer's Craft, Grade 12, University Preparation

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

Prerequisite: *ENG3U*

EWC4C1: The Writer's Craft, Grade 12, College Preparation

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.

Prerequisite: ENG3U or ENG3C

OLC3O1: Ontario Literacy Course, Grade 11, Open

OLC4O1: Ontario Literacy Course, Grade 12, Open

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

Prerequisite: Student must have been eligible to write the OSSLT at least once and has been unsuccessful at least once.

ENGLISH SECOND LANGUAGE / ENGLISH LITERACY DEVELOPMENT

English language learners in any grade may be placed in appropriate ESL or ELD courses. The courses are designated according to levels of proficiency in English and literacy development, not by grade. All ESL and ELD courses are open courses.

English as a Second Language (ESL) Courses: These courses are designed for English language learners who have had opportunities to develop language and literacy skills in their own language appropriate to their age or grade level. See Guidance Counsellor for selection.

ESL Level	Course Description
ESL A	This course builds on students' previous education and language knowledge to introduce them to the English language and help them adjust to the diversity in their new environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes.
ESL B	This course extends students' listening, speaking, reading, and writing skills in English for everyday and academic purposes. The course also supports students' continuing adaptation to the Ontario school system by expanding their knowledge of diversity in their new province and country.
ESL C	This course further extends students' skills in listening, speaking, reading, and writing in English for a variety of everyday and academic purposes. This course also introduces students to the rights and responsibilities inherent in Canadian citizenship, and to a variety of current Canadian issues.
ESL D	This course prepares students to use English with increasing fluency and accuracy in classroom and social situations and to participate in Canadian society as informed citizens.
ESL E	This course provides students with the skills and strategies they need to make the transition to college and university preparation courses in English and other secondary school disciplines.

English Literacy Development (ELD) Courses: These courses are designed for English language learners with limited prior schooling who have not had opportunities to develop age-appropriate literacy skills in any language. Students should only request this course via their Guidance Counsellor. This also applies to any ESL requests.

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FIRST NATIONS, METIS, and INUIT STUDIES

NAC1O1: Integrated Indigenous Arts, Grade 9, Open

This course explores various arts disciplines (dance, drama, installation and performance art, media arts, music, storytelling, utilitarian or functional art, visual arts), giving students the opportunity to create, present, and analyze art works, including integrated art works/ productions, that explore or reflect First Nations, Métis, and Inuit perspectives and cultures. Students will examine the interconnected relationships between art forms and individual and cultural identities, histories, values, protocols, and ways of knowing and being. They will demonstrate innovation as they learn and apply art-related concepts, methods, and conventions, and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to creative arts challenges.

Prerequisite: None

NAC2O1: First Nations, Métis, and Inuit in Canada, Grade 10, Open

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

Prerequisite: None

NBV3E1: World Views and Aspirations of First Nations, Métis, and Inuit Communities in Canada, Grade 11, Workplace

This course explores diverse knowledge, world views, and aspirations that shape the actions of First Nations, Métis, and Inuit individuals and communities in Canada. Students will examine issues of identity facing First Nations, Métis, and Inuit individuals and communities with respect to changing relationships with the land, nature, one another, and Canada. Students will explore their own and others' world views, and the factors that shape world views over time, to develop an understanding of how traditional and contemporary beliefs and values influence the aspirations and practices of First Nations, Métis, and Inuit communities. Students are given the opportunity to develop further understanding about the impacts of colonization and how reconciling diverse knowledge, world views, and aspirations contributes to a call for societal understanding.

Prerequisite: NAC2O, CHC2D, CHC2L, CHC2P

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NDA3M1: Contemporary First Nations, Métis, and Inuit Issues and Perspectives, Grade 11, College/University

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

Prerequisite: NAC2O, CHC2D, CHC2L, CHC2P

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NDW4M1: Contemporary Indigenous Issues and Perspectives in a Global Context, Grade 12, College/University

This course examines global issues from the perspectives of Indigenous peoples. Students will explore the depth and diversity of Indigenous cultures, traditions, and knowledge. Students will consider how diverse Indigenous communities persevere despite current global environmental and economic trends, and will investigate topics such as identity, social justice, human rights, spirituality, resilience, and advocacy for change.

Prerequisite: Any Grade 11 university, College/University, or college course in FNMI studies, Canadian and World Studies, English, or Social Sciences & Humanities

LNOAO1- Native Languages- Ojibwe (Level 1)

This course is open to the entire student body and will allow students who have no prior Native language experience to develop an appreciation for a Native language and culture, to explore and experience a unique world view, and to learn to speak a Native language. Students will use the language being studied for greetings and daily routines, become familiar with its writing and sound system, and practise basic vocabulary and phrases. Students will also use information technology during course-related activities.

Prerequisite: None

LNOBO1- Native Languages- Ojibwe (Level 2)

This course will enable students to experience the unique respect of life that permeates Native languages and cultures. Students will expand their vocabulary and knowledge of phrases and expressions, using them in simple dialogues, narrative writing, grammatical constructions and reading and to exchange information electronically.

Prerequisite: At least four years of study of a Native language in elementary school, successful completion of LNOAO1 or demonstrated proficiency.

FRENCH**FSF1D1: Core French, Grade 9, De-streamed**

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This course emphasizes the further development of oral communication, reading and writing skills. Students will build on and apply their knowledge of French while exploring a variety of themes, such as relationships, mysteries, monsters and the environment. Thematic readings, which include a selection of short stories, articles and poems, will serve as stepping stones to oral and written activities.

FSF1O1: French, Grade 9, Open

This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600 hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings, and will develop fundamental communication skills through discussing situations and issues that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary to become life-long language learners.

FSF2D1: Core French, Grade 10, Academic

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

develop their language skills, and deepen their understanding and appreciation of Francophone culture around the world. An example of this would be the celebration of the Quebec Winter Carnival that hosts traditional events such as making snow sculptures and tasting beaver tails.

Prerequisite: FSF1D (De-streamed)

FSF2P1: Core French, Grade 10, Applied

This course enables students to increase their knowledge of the French language. Exploring a variety of themes, students will develop and apply critical thinking skills in their listening, oral and written language abilities. They will also further develop their communication skills by deepening their understanding and appreciation of Francophone culture around the world. An example of this would be the celebration of the Quebec Winter Carnival that hosts traditional events such as making snow sculptures and tasting beaver tails.

Prerequisite: FSF1D (De-streamed)

FSF3U1: Core French, Grade 11, University Preparation

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This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel and a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. Exposure to amusing YouTube clips, online games, current French music, movies and traditional instruction all give students the opportunity to have fun while learning.

Prerequisite: FSF2D

FSF4U1: Core French, Grade 12, University Preparation

This course draws on a variety of themes to promote extensive development of French-language skills. Students will refine their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. Students should be prepared to use French as the language of communication in class. They will write a research paper (1500 – 2500 words); read novels/plays and/or short stories/passages. Students will gain a greater understanding of French Culture by creating a unit of study of their choice. Examples may include fashion, food, famous figures in history, sports, music and literature. To enhance their communicative skills, students may have the chance to converse with their peers in debates, in café settings, or play a sport, such as floor hockey or volleyball. Students may have the opportunity to participate in a mini coop at the elementary school Samuel de Champlain whereby they help create fun games/lessons to instruct children.

Prerequisite: FSF3U

INTERNATIONAL AND CLASSICAL LANGUAGES

LVLBD1: Classical Languages, Introductory Level, Academic

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This course introduces students to the language of Latin and the daily lives of the Romans (e.g. homes, slavery, gladiators, etc.). Students learn to read and write in Latin while following the stories of a family living in Pompeii in 79 A.D. Students are taught Latin at a comfortable pace with mainly in-class work. The course is taught in English as Latin is no longer a spoken language. Assignments include tests, projects, translations, models and re-enactments. The students play games often to practice what they have learned. Learning Latin helps students improve their understanding of the vocabulary in both the French and English languages.

Prerequisite: none

LVLBU1: Classical Languages, Level 2, University Preparation

This course continues from level one. Students learn more complex grammar and more vocabulary. The stories are set Egypt and Britain from the time when they were Roman provinces exploring topics such as science, religion and medicine. This course offers more independence. Many games are played so that the students can learn their vocabulary in a multitude of ways. This course is taught in English. Students create a main project about one of the Seven Wonders of the Ancient World, as well as tests, translations and projects. **Prerequisite:** Latin Level 1, LVLBD1

LVLBU1: Classical Languages, Level 3, University Preparation

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This course continues from level two. Students learn even more complex grammar found in Latin and English. Students will reach a level where they can read Latin written by original authors. The Roman life section focuses on far more specific aspects of the lives of Romans in Britain, such as the standard plan for a fort and how to decipher tomb stones from warriors. The final project includes the opportunity to translate an original Latin text. This course is a grade 12 university credit.

Prerequisite: Latin Level 2, LVLBU1

GUIDANCE AND CAREER EDUCATION

GLE101: Learning Strategies, Grade 9, Open

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

Note: Selection of this course requires SERT recommendation.

GLC20H: Career Studies, Grade 10, Open

This course gives students the opportunity to develop the skills, knowledge, and habits that will support them in their education and career/life planning. Students will learn about global work trends, and seek opportunities within the school and community to expand and strengthen their transferable skills and their ability to adapt to the changing world of work. On the basis of exploration, reflective practice, and decision-making processes, students will make connections between their skills, interests, and values and their postsecondary options, whether in apprenticeship training, college, community living, university, or the workplace. They will set goals and create a plan for their first postsecondary year. As part of their preparation for the future, they will learn about personal financial management – including the variety of saving and borrowing tools available to them and how to use them to their advantage – and develop a budget for their first year after secondary school. This compulsory half course (0.5 credit) is combined with CHV20H, Civics (0.5 credit).

Prerequisite: None

GLD201: Discovering the Workplace, Grade 10, Open

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This course provides students with opportunities to discover and develop the workplace essential skills and work habits required to be successfully employed. Students will develop an understanding of work through practical hands-on experiences in the school and in the community, using real workplace materials. They investigate occupations of interest through experiential learning opportunities, such as worksite visits, job shadowing, work experience, simulations, and entrepreneurial projects. This course helps students make plans for continued learning and work.

Note: Selection of this course requires SERT recommendation.

GLE201/GLE301/GLE401: Advanced Learning Strategies, Grade 10/11/12, Open

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

Note: Selection of this course requires SERT recommendation.

HEALTH & PHYSICAL EDUCATION

Courses in this department have a sixth digit of F = females, M = males, 1 = co-ed.

Please speak with your Guidance Counsellor if you have any questions or concerns.

PPL10F (Females) / PPL10M (Males): Healthy Active Living Education, Grade 9, Open

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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.

PPL20F (Females) / PPL20M (Males): Healthy Active Living Education, Grade 10, Open

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

PAF20F (Females) Female Wellness Course, Grade 10, Open

This course emphasizes a collaborative and differentiated approach to learning, where regular participation in a variety of enjoyable physical activities and an exposure to a wide range of activity settings will promote lifelong healthy active living. Student learning will

focus on developing skills related to personal fitness, mental/emotional wellness that will help students make healthy choices. A strong focus will be placed on exploring a variety of individual and group fitness/healthy living activities (weight room workouts, cardiovascular training, yoga, pilates) that provide a foundation for active living. Students will 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 effects, the world around them.

PPL30F (Females) / PPL30M (Males): Healthy Active Living, Grade 11, Open

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

PPL401 (Co-ed): Healthy Active Living Education, Grade 12, Open

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

PAD301/PAD401: Healthy Living & Outdoor Activities, Grade 11 Open

This course is designed to provide a challenge to students to discover new personal limits and push themselves physically, emotionally and socially in and outside of the classroom. Over the course of the semester, students will participate in a wide variety of outdoor activities that teach the skills necessary to enjoy the great outdoors. Examples of these activities could include hiking, orienteering, canoe tripping, winter camping, high/low ropes etc. The focus of this course is on outdoor activities and students will be encouraged to develop personal competence in a variety of skills related to outdoor pursuits. Movement skills, goal setting, decision making and interpersonal skills will also be emphasized while students study the components of healthy relationships, mental health, nutrition, and personal safety in an outdoor context. *****Students must pass a swim test before they are able to participate in any water-based trips.***

PAF301: Healthy Living and Personal & Fitness Activities, Grade 11, Open

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This co-ed course emphasizes a *collaborative* and *differentiated* approach to learning where regular participation in a variety of enjoyable physical activities and an exposure to a wide range of activity settings will promote lifelong healthy active living. Student learning will focus on developing skills related to personal fitness that are required to make healthy choices. A strong focus will be placed on the application of movement principles to refine skills, participation in a variety of fitness activities, developing personal fitness and investigating health topics that provide a foundation for active living. Students will also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by the world around them.

PAF401: Healthy Living and Personal & Fitness Activities, Grade 12, Open

This co-ed course emphasizes a collaborative and differentiated approach to learning where students learn to maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Student learning will focus on further developing the skills required to make healthy choices. A strong focus will be placed on the application of movement competence, participation in a variety of fitness activities, developing personal fitness and building confidence. Students will also acquire an understanding of the factors and skills that contribute to healthy development and learn how their well-being is affected by, and affects, the world around them. They will build their sense of self and develop their ability to think critically and creatively.

PSK4U1: Introductory Kinesiology, Grade 12, University Preparation

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

Prerequisite: any grade 11 university or College/University course in Science, or any grade 11/12 course in Health & Physical Education



Orillia Secondary School offers a Specialist High Skills Major designation in Health and Wellness. Students can choose an emphasis in Health Care or in Fitness & Health Promotion. A variety of Grade 11 & 12 courses in the areas of Health & Physical Education, Science, Social Sciences & Humanities, as well as Health Care Technology form the foundation of this program. Interested students should contact their Guidance Counsellor for more information and to register for SHSM.

INTERDISCIPLINARY STUDIES

IDC3O1: Introduction to Forensic Science, Open

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This course is an inquiry-based introduction to the fundamental skills required by forensic scientists. Students will practice using the scientific method, completing scientific research, critical thinking, making observations, analyzing facts, making predictions and drawing conclusions by completing lab investigations, and case studies in forensic science. This course will focus on providing students with an opportunity to gain knowledge, practice skills and demonstrate learning with a variety of practical and hands-on experiences. Topics of study will include: Observation, Deduction and Logic Skills, Physical Evidence: Fingerprints, Hair, Fiber, Glass, Handwriting and Documents, Blood, DNA Fingerprinting, Impressions (tools, dentition, footprints), Forensic Anthropology, Canadian Law and Evidentiary Requirements. Students will also gain experience being an effective member of a collaborative team.

Prerequisite: *SNC2D1 or SNC2P1*

IDC4U1: Studies in Education –Peer Leadership, Grade 12, University Preparation

This course prepares students to provide leadership in an educational setting. In this course, students will explore content such as learning styles, learning barriers, effective communication, conflict resolution, and lesson planning, while supporting a grade 9 or 10 class in the school. The curriculum will be delivered through online assignments, class discussion, and weekly in-class sessions. They will be implementing the curriculum in their placements as they support the teacher, tutor the students, and create & deliver lesson plans. Students will acquire knowledge of teaching and learning theory and develop the communication skills necessary to instruct individuals or groups of students.

Prerequisite: *Any grade 11 University level course in English, Canadian and World Studies or Social Science and Humanities.*

MATHEMATICS

MTH1W: Mathematics, Grade 9, De-streamed

This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and will 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.

MAT1LL: Essential Mathematics, Grade 9, Locally Developed

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 an 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.

MPM2D1: Principles of Mathematics, Grade 10, Academic

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This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Prerequisite: *MPM1D1, or MTH1W1*

MFM2P1: Foundations of Mathematics, Grade 10, Applied

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

applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Prerequisite: *MPM1D1, MFM1P1, or MTH1W1*

MAT2LL: Practical Mathematics, Grade 10, Locally Developed Course

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This course enables students to deepen their knowledge and understanding of the basic concepts in patterns and relationships, measurement and geometry and proportionality through hands-on activities. Students will extend their problem-solving experiences in a variety of applications. The effective use of technology in learning and in problem solving will be emphasized as well as links to careers and preparation for the world of work.

MCR3U1: Functions and Relations, Grade 11, University Preparation

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Prerequisite: *MPM2D1*

MCF3M1: Functions and Relations, Grade 11, College/University Preparation

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

Prerequisite: *MPM2D1 or MFM2P1 (MPM2D1 strongly recommended)*

MBF3C1: Foundations for College Mathematics, Grade 11, College Preparation

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

Prerequisite: *MFM2P1 or MPM2D1*

MEL3E1: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation

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

Prerequisite: *MFM1P1, MPM1D1, MTH1W1, or MAT2LL*

MCV4U1: Calculus and Vectors, Grade 12, University Preparation

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This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. *This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.*

Prerequisite or Co-requisite: *MHF4U*

MHF4U1: Advanced Functions and Introductory Calculus, Grade 12, University Preparation

This course extends students' experience with functions. Students will investigate the properties of polynomial, exponential, rational, logarithmic, and trigonometric functions; broaden their understanding of the mathematics associated with 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.*

Prerequisite: *MCR3U or MCT4C*

MDM4U1: Data Management, Grade 12, University Preparation

This course broadens students' understanding of mathematics as it relates to managing information. Students will apply methods for organizing large amounts of information; solve problems involving counting techniques, probability, and statistics; and carry out a

culminating project that integrates the expectations of the course. Students will refine their use of the mathematical processes necessary for success in senior mathematics. *Students planning to pursue university programs in business, the social sciences or the humanities will find this course of particular value.*

Prerequisite: MCF3M or MCR3U

MCT4C1: Mathematics for College Technology, Grade 12, College/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.

Prerequisite: MCF3M or MCR3U

MAP4C1: Foundations for College Mathematics, Grade 12, College Preparation

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

Prerequisite: MBF3C, MCF3M, or MCR3U

MEL4E1: Mathematics for Everyday Life, Grade 12, Workplace Preparation

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

Prerequisite: MEL3E

SCIENCE

SNC1W: Science, Grade 9, De-streamed

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

SNC1LL: Science, Grade 9, Locally Developed

This course develops science-related knowledge and skills to prepare students for success in everyday life, in the workplace and in the grade 10 locally developed Science course. Students explore scientific topics that connect with their lives by engaging in practical science activities.

SNC2LL: Science, Grade 10, Locally Developed

This course develops science-related knowledge and skills to prepare students for success in everyday life, in the workplace and in grade 11 or 12 Workplace Science courses. Students explore scientific topics that connect with their lives by engaging in practical science activities.

Prerequisite: SNC1LL

SNC2D1: Science, Grade 10, Academic

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

Prerequisite: SNC1D1, SNC1W1 (De-streamed) or SNC2P1

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SNC2P1: Science, Grade 10, Applied

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

Prerequisite: SNC1W1 (De-streamed), or SNC1P1

IDC3O1: Introduction to Forensic Science, Open

This course is an inquiry-based introduction to the fundamental skills required by forensic scientists. Students will practice using the scientific method, completing scientific research, critical thinking, making observations, analyzing facts, making predictions and drawing conclusions by completing lab investigations, and case studies in forensic science. This course will focus on providing students with an opportunity to gain knowledge, practice skills and demonstrate learning with a variety of practical and hands-on experiences. Topics of study will include: Observation, Deduction and Logic Skills, Physical Evidence: Fingerprints, Hair, Fiber, Glass, Handwriting and Documents, Blood, DNA Fingerprinting, Impressions (tools, dentition, footprints), Forensic Anthropology, Canadian Law and Evidentiary Requirements. Students will also gain experience being an effective member of a collaborative team.

Prerequisite: SNC2D1 or SNC2P1

SNC4E1: Science, Grade 12, Workplace Preparation

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

Prerequisite: SNC1D (De-streamed), SNC1P, SNC1L, SNC2D or SNC2P

SCIENCE -- BIOLOGY

SBI3C1: Biology, Grade 11, College Preparation

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

Prerequisite: SNC2D1, SNC2P1

SBI3U1: Biology, Grade 11, University Preparation

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

Prerequisite: SNC2D1

SBI4U1: Biology, Grade 12, University Preparation

This course provides students with the opportunity for in-depth study of the concepts and processes that occur with 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 achievement of the detailed knowledge and refinement of skills needed for further study in various branches of the life sciences and related fields.

Prerequisite: SBI3U

SCIENCE -- CHEMISTRY

SCH3U1: Chemistry, Grade 11, University Preparation

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

Prerequisite: SNC2D1

SCH4U1: Chemistry, Grade 12, University Preparation

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

Prerequisite: SCH3U

SCH4C1: Chemistry, Grade 12, College Preparation

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

Prerequisite: *SNC2D or SNC2P*

SCIENCE – ENVIRONMENTAL SCIENCE

SVN3E1: Environmental Science, Grade 11, Workplace Preparation

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

Prerequisite: *SNC1L, SNC1W (De-streamed), SNC1D, SNC1P, SNC2D, SNC2P, SNC2L*

SVN3M1: Environmental Science, Grade 11, College/University Preparation

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

Prerequisite: *SNC2D or SNC2P*

SCIENCE -- PHYSICS

SPH3U1: Physics, Grade 11, University Preparation

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

Prerequisite: *SNC2D1*

SPH4C1: Physics, Grade 12, College Preparation

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

Prerequisite: *SNC2D or SNC2P*

SPH4U1: Physics, Grade 12, University Preparation

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

Prerequisite: *SPH3U*

SOCIAL SCIENCES & HUMANITIES – FAMILY STUDIES

HIF1O1: Exploring Family Studies, Grade 9, Open

This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will

learn about diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.

HLS301: Housing and Home Design, Grade 11, Open

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

Prerequisite: None

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HIP401: Personal Life Management, Grade 12, Open

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

Prerequisite: None

HPC301: Raising Healthy Children, Grade 11, Open

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

Prerequisite: None

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SOCIAL SCIENCES & HUMANITIES – FOOD & NUTRITION

Do you have an inner master chef? Would you like to be comfortable in the kitchen preparing food safely, that is tasty and appealing, for your whole family? Are you interested in the relationship between food and health? These are the courses for you! Foods and Nutrition courses provide you with weekly hands-on experiences preparing and eating food. You will also learn the basics of how to prepare healthy meals on a budget and everything you need to know about food and kitchen safety while having fun!

HFN201: Food and Nutrition, Grade 10, Open

This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food-marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food-preparation skills and introduces them to the use of social science research methods in the area of food and nutrition.

Prerequisite: None

HFC3E1: Food and Culture, Grade 11, Workplace Preparation

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

Prerequisite: None

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HFL4E1: Food and Healthy Living, Grade 12, Workplace Preparation

This course focuses on the fundamental food needs of young adults. Students will learn how to stock a kitchen, make nutritious food choices, and accommodate the food needs of others. Through a range of practical experiences, they will develop skills needed in food preparation for personal use and of employment in the food industry. They will also learn about dining etiquette in different contexts and about responsible consumer practices. Students will use social science research methods to investigate issues related to food preparation and nutrition.

Prerequisite: None

HFA4C1: Nutrition and Health, Grade 12, College Preparation

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

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refine their ability to use social science research and inquiry methods to investigate topics related to nutrition and health.

Prerequisite: Any university, College/University, or college course in Social Sciences and Humanities, English, or Canadian & World Studies.

HFA4U1: Nutrition and Health, Grade 12, University Preparation

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

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

SOCIAL SCIENCES & HUMANITIES

Are you interested in how the human mind works? Why do people behave as they do in groups? Maybe you are thinking of a career in counselling, policing or forensics or education. These courses are for you if you are interested in understanding why people do what they do. These courses provide an excellent foundation in the basics of psychology, sociology and anthropology. You will have opportunities to understand and apply theories to real-world examples, discuss current events, listen to guest speakers, engage in research and analyze your own behaviour.

HSP3U1: Introduction to Anthropology, Psychology, and Sociology, Grade 11, University Preparation

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

Prerequisite: ENG2D or CHC2D

HSP3C1: Introduction to Anthropology, Psychology, and Sociology, Grade 11, College Preparation

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

Prerequisite: None

HSB4U1: Challenge and Change in Society, Grade 12, University Preparation

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

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

SOCIAL SCIENCES & HUMANITIES -- FASHION

Do you have a passion for fashion? Do you follow the latest trends, colours, and styles? Have you ever wished you could create your own garment or alter it to fit just right? Then these are the courses for you! Here you will enter the fashion world and gain insight into the Fashion Industry and its career opportunities. Utilize your own flair, creativity and inspiration by constructing garments and assembling your own fashion portfolio; students describe these courses as "sew much fun".

HNL2O1: Clothing, Open

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This course introduces students to the world of clothing. Students will gain knowledge about clothing and demonstrate basic skills associated 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.

Prerequisite: None

HNB4M1: The World of Fashion, Grade 12, College/University preparation

This course gives students the opportunity to explore the world of fashion. Students will learn how to create a fashion product using various tools, techniques, and technologies while developing their practical skills. Students will learn about various factors that affect the global fashion industry, the needs of specialized markets, and the impact of fiber and fabric production and care. In

addition, they will learn about social and historical influences on fashion. Students will apply research skills when investigating aspects of the fashion world.

Prerequisite: Any university, college, or College/University course in Social Sciences & Humanities, English, or Canadian & World Studies

TECHNOLOGY EDUCATION

TECHNOLOGY EDUCATION IS FOR EVERYONE!

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Taking shop classes is not just for students that want to go directly to the workplace after high school. Although earning money while completing an apprenticeship instead of paying for an education is a great reason to take shop, it is also important for students that are seeking a university or college education. Skills learned in shop classes are transferable to many university and college courses giving students that extra advantage by being familiar with technical procedures.

TECHNOLOGY STUDIES

Do you like working with your hands? Does the thought of sitting at a desk for 75 minutes make you restless? Are you interested in building products in a variety of the shops? If you answered yes to any of these questions then the grade 9 Exploring Technologies course is for you! You will have the chance to see what technology has to offer while spending time and building projects in multiple shop settings. You could build bridges and learn house wiring, or learn how to change tires and service vehicles, or build fighting robots that destroy or program them to follow a path. You will also have the opportunity to run lathes, welders and even our CNC Plasma cutter that can cut anything you can draw. In the grade 9 program you may also have the chance to work with AutoCAD and Inventor to design items that you can then print with our 3D printer. The possibilities are endless when you take a chance and see what the Technology department can offer.

TAS10, Technology and the Skilled Trades, Grade 9, Open

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

TECHNOLOGY STUDIES -- COMMUNICATION

TGJ2O1: Communications Technology, Grade 10, Open

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

TGJ3M1: Communications Technology, Grade 11, College/University Preparation

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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 post-secondary and career opportunities in the various communications technology fields.

Prerequisite: None

TGJ4M1: Communications Technology, Grade 12, College/University

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

Prerequisite: TGJ3M, TGG3M

TGG3M1: Yearbook- Print and Graphic Communications, College/University

This course will help students create informative print, media, and electronic products for school and community audiences in diverse formats (e.g., yearbook entries, posters, school announcements, photojournalism, and effective social media posts). Students will photograph games and events, interview coaches and advisors, and develop a sense of news and news judgment. They will also learn principles of print and web design, management skills, and will explore legal and ethical uses of information that is made public. The application of these skills will be developing the school yearbook. This class has hard deadlines prescribed by our publisher in order to ensure the yearbook is delivered before the end of the school year.

Prerequisite: None

TECHNOLOGY STUDIES – COMPUTER TECHNOLOGIES

TEJ201: Computer Technology, Grade 10, Open

This course introduces students to computer systems, networking, and interfacing, as well as electronics and robotics. Students will assemble, repair, and configure computers with various types of operating systems and application software. Students will build small electronic circuits and write computer programs to control simple peripheral devices or robots. Students will also develop an awareness of related environmental and societal issues, and will learn about secondary and postsecondary pathways and career opportunities in computer technology.

Prerequisite: None

TEJ3E1: Computer Technology, Grade 11, Workplace Preparation

This course enables students to develop knowledge and skills related to computer hardware, networks, operating systems, and other software. Students will use utility and application software, and learn proper procedures for installing, maintaining, and troubleshooting computer systems and networks. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about apprenticeships and other employment opportunities in the field of computer technology that they may choose to pursue after graduation.

Prerequisite: None

TEJ3M1: Computer Engineering Technology, Grade 11, College/University Preparation

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.

Prerequisite: None

ICD201: Digital Technology and Innovations in the Changing World, Grade 10, Open

This course helps students develop cutting-edge digital technology and computer programming skills that will support them in contributing to and leading the global economic, scientific and societal innovations of tomorrow. Students will learn and apply coding concepts and skills to build hands-on projects and investigate artificial intelligence, cybersecurity, and other emerging digital technologies that connect to a wide range of fields and careers. Using critical thinking skills with a focus on digital citizenship, students will investigate the appropriate use and development of the digital technologies that they encounter every day, as well as the benefits and limitations of these technologies.

ICS3C1: Introduction to Computer Programming, Grade 11, College Preparation

This course introduces students to computer programming concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and postsecondary opportunities in computer-related fields.

Prerequisite: None

ICS3U1: Introduction to Computer Science, Grade 11, University Preparation

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.

Prerequisite: None

ICS4C1: Introduction to Computer Programming, Grade 12, College Preparation

This course enables students to further develop their programming skills. Students will learn object-oriented programming concepts as well as design and create object-oriented software. Students will also explore and design graphical user interfaces. Student teams will plan and develop software development projects from initial planning through to final deliverable using standard industry tools and practices. They will exercise proper project management techniques while doing so. Students will also investigate ethical issues in computing and further explore environmental issues, emerging technologies, research in computing and careers in the field.

Prerequisite: ICS3C1

ICS4U1: Introduction to Computer Science, Grade 12, University Preparation

This course enables students to further develop knowledge and skills in computer science. More complex data structures, like linked-lists and b-trees, will be introduced. Students will take a more modular approach to software development to create complex and fully documented programs using industry standard practices. Student teams will manage a large development project from initial planning through to final deliverable. Students will also investigate ethical issues in computing and further explore environmental issues, emerging technologies, research in computing and careers in the field.

Prerequisite: ICS3U1

TEJ4E1: Computer Technology, Grade 12, Workplace Preparation

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This course enables students to further develop their practical understanding of computer hardware, software, networks, and operating systems. Students will use utility and application software, and will follow proper procedures for installing, maintaining, and troubleshooting computer systems and networks. In addition to demonstrating an understanding of the ethical use and environmental effects of computers, students will develop marketable skills and assess career opportunities in the field.

Prerequisite: TEJ3E

TEJ4M1: Computer Engineering Technology, Grade 12, College/University Preparation

This course extends students' understanding of computer systems and computer interfacing with external devices. Students will assemble computer systems by installing and configuring appropriate hardware and software, and will learn more about fundamental concepts of electronics, robotics, programming, and networks. Students will examine related environmental and societal issues, and will explore postsecondary pathways leading to careers in computer technology.

Prerequisite: TEJ3M



Orillia Secondary School offers a Specialist High Skills Major designation in Construction with a broader emphasis on Fabrication. Programming spans Grades 11 & 12 and supports learning in all pathways. In addition to major credits in a variety of technology areas (construction, woodworking, tech design, manufacturing and transportation), students will complete a 2 or 4 credit Co-op experience in a related sector plus obtain industry recognized certifications.

Interested students should contact their Guidance Counsellor for more information.

TECHNOLOGY STUDIES -- CONSTRUCTION

If you like to work with your hands to create incredible projects from simple pieces of wood, then Construction/Woodworking is the course for you. Taking this course allows you to use a variety of hand and power tools to create projects like tables, jewelry boxes, DVD or game stands and anything you can think of. In the shop you will begin to understand how to create working drawings, fabricate, assemble, and finish your projects while keeping the impact on the environment to a bare minimum. You will find vast career opportunities in construction/woodworking and how to pursue them.

TCJ2O1: Construction Technology – Building, Grade 10, Open

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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.

TCJ3C1: Construction Technology, Grade 11, College Preparation

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

TCJ3E1: Construction Technology, Grade 11, Workplace Preparation

This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore postsecondary and career opportunities in the field.

TCJ4C1: Construction Engineering Technology, Grade 12, College Preparation[back to Technology](#)

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

Prerequisite: TCJ3C

TCJ4E1: Construction Technology, Grade 12, Workplace Preparation

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

Prerequisite: TCJ3E

Continue to fine tune your skills to create incredible projects from simple pieces of wood, composites, or other manmade materials. Taking Custom Woodworking allows you to use a variety of precision hand and power tools to create projects like entertainment units, chairs, tables, baseball bats or other turned parts or any of the other several thousand project ideas. In the wood shop you will plan your own projects or build one of the many projects for people in the community, create working drawings, fabricate, assemble, and finish your projects while keeping the impact on the environment to a bare minimum. You will find vast career opportunities in woodworking and how to pursue them in college or right out of high school.

TWJ3E1: Custom Woodworking, Grade 11, Workplace Preparation

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 explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation.

TWJ4E1: Custom Woodworking, Grade 12, Workplace Preparation[back to Technology](#)

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

Prerequisite: TWJ3E

TECHNOLOGY STUDIES -- DESIGN

Students will begin to work with the design process, beginning with the fundamentals of sketching and progressing through computer aided drafting. Students will have the opportunity to design small residential buildings, develop story boards, create 3D models, and get a good sense of what Tech. Design entails.

TDJ2O1: Technological Design, Grade 10, Open[back to Technology](#)

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.

Have you ever thought about designing or creating objects and not had the ability to make them? In this course students will have the opportunity to learn how to interpret, review and create drawings and objects using sketching as well as computer aided design. Students will be able to create the home of their dreams with the latest version of AutoCAD and also be able to draw 3D objects and create the object using the 3D printer.

TDJ3O1: Technological Design and the Environment, Grade 11, Open

This course enables students to apply a systematic process for researching, designing, building, and assessing solutions to address specific human and environmental challenges. Through their work on various projects, students will explore broad themes that may include aspects of industrial design, mechanical design, architectural design, control system design, and/or apparel design. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary pathways leading to careers in the field.

Calling all students who have a creative flair and those interested in creating drawings and objects in 3D and having the ability to make those objects using the 3D printer! Students will explore computer aided drafting and create site plans, house designs, section drawings and a variety of projects that relate to Tech. Design. Students interested in drawing and drafting, interior design, architecture, engineering, building, or 3D design, this is the course for you.

TDJ3M1: Technological Design, Grade 11, College/University

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.

TDJ4O1: Technological Design in the Twenty-first Century, Grade 12, Open

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This course focuses on the relationship between society and technological development. Students will use appropriate tools, techniques, and strategies to research, design, build, and assess prototypes for products and/or processes that respond to society's changing needs. Students will describe how social factors, including culture, media, politics, religion, and environmental concerns, influence technological design. Students will also learn about professional practices in the field, and will research postsecondary pathways leading to careers related to technological design.

A set of plans for a commercial building are interpreted and redrawn to scale in a Google SketchUp 3-dimensional environment. A scale model is then made of the three-floor plan. Students then pick a new challenge to design a solution for a roller coaster ride, solar heaters, container housing concepts and a variety of new projects picked from a list. Project skill level varies based on college or university programs.

TDJ4M1: Technological Design, Grade 12, College/University

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.

Prerequisite: TDJ3M

TECHNOLOGY STUDIES – HEALTH CARE

TPJ2O1: Health Care, Grade 10, Open

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This course introduces students to personal health promotion, child and adolescent health concerns, and a variety of medical services, treatments, and technologies. Students will become familiar with various instruments and equipment and will learn about human anatomy, organs, and body chemistry, as well as the effects that lifestyle choices can have on personal well-being. They will plan recreational activities for youth, perform a dietary analysis, and evaluate health care practices. Students will develop an awareness of environmental and societal issues related to health care, and will explore secondary and post-secondary pathways leading to careers in the field.

TPJ3C1: Health Care, Grade 11, College Preparation

This course enables students to develop their understanding of basic health care procedures, including the safe use of appropriate instruments, equipment, and materials. Students will focus on health care fundamentals, including health care terminology and the anatomical features and physiology of some major body systems. Students will develop an awareness of health and safety issues in the health care field, environmental and societal issues related to health care, professional practice standards, and career opportunities in the field.

TPJ3M1: Health Care, Grade 11, College/University Preparation

This course enables students to develop their understanding of basic health care procedures, including the safe use of appropriate instruments, equipment, and materials. Students will focus on health care fundamentals, including the anatomical features and physiology of the major body systems and the factors that affect homeostasis in the human body. Students will develop an awareness of health and safety issues in the health care field, environmental and societal issues related to health care, professional practice standards, and career opportunities in the field.

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TPJ4C1: Health Care, Grade 12, College Preparation

This course focuses on the development of clinical skills needed to assess general health status. Students will learn about accepted health care practices and demonstrate an understanding of some basic procedures and the use of appropriate instruments and equipment. They will identify the characteristics of the human immune system and learn about pathology and disease prevention and treatment. Students will expand their awareness of workers' health and safety issues, environmental and societal issues related to health care, professional practice standards, and postsecondary destinations in the field.

Prerequisite: TPJ3C

TPJ4E1: Health Care – Support Services, Grade 12, Workplace Preparation

This course enables students to develop the basic skills needed for careers in a range of health care support services. Students will practise 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 health care industry. Students will also investigate workers' health and safety issues, environmental and societal issues related to health care, and career opportunities in the field.

Prerequisite: None

TPJ4M1: Health Care, Grade 12, College/University Preparation

This course focuses on the development of a range of skills needed to analyze and interpret clinical findings. Students will learn about accepted health care practices and demonstrate an understanding of basic procedures and the use of appropriate instruments and equipment. They will acquire an understanding of basic concepts related to the function of the human immune system and explore the relationship between pathology and disease prevention and treatment. Students will expand their awareness of workers' health and safety issues, analyze environmental and societal issues related to health care, and further explore professional practice standards and postsecondary destinations in the field.

Prerequisite: TPJ3M

TECHNOLOGY STUDIES -- MANUFACTURING

TMJ2O1: Manufacturing Technology, Grade 10, Open

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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.

You can operate machines or do things that are done in the metal working industry. You will use the torches, welders and metal cutting machines such as lathes and mill to build projects. If you have something you want to fix or build for yourself and you have learned how to use the equipment needed then you may be able to it. On the computer you will draw parts, create simple programs to run computerized machines in the shop.

TMJ3E1: Manufacturing Technology, Grade 11, Workplace Preparation

This hands-on, project-based course is designed for students planning to enter an occupation or apprenticeship in manufacturing directly after graduation. Students will work on a variety of manufacturing projects, developing knowledge and skills in design, fabrication, and problem solving and using tools and equipment such as engine lathes, milling machines, and welding machines. In addition, students may have the opportunity to acquire industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary school pathways that lead to careers in the industry.

You will start with simple projects such as making a screwdriver, meat tenderizer or weld a wire person designed by you. By the second term you will be able to design and build your own projects or work on projects such as building or fixing trailers, making snowboard rails, chess pieces or personal tools. The "E" in the course code means that this course leads to the workplace so you will do almost all of your work in the shop.

TMJ3C1: Manufacturing Technology, Grade 11, College Preparation

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This course enables students to develop knowledge and skills through hands-on, project-based learning. Students will acquire design, fabrication, and problem-solving skills while using tools and equipment such as lathes, mills, welders, computer-aided machines, robots, and control systems. Students may have opportunities to obtain industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

You will start with simple projects such as making a screwdriver, meat tenderizer or weld a wire person designed by you. By the second term you will be able to design and build your own projects or work on projects such as building or fixing trailers, making snowboard rails, chess pieces or personal tools. The "C" in the course code means that this course is to get you ready for a college course so although you will do a lot of your work in the shop you will also work on the computer to learn to create drawings or make drawings for your projects. You will also have the opportunity to write programs and run the computer milling machine.

TMJ3M1: Manufacturing Engineering Technology, Grade 11, College/University Preparation

This course enables students to develop knowledge and skills related to design, process planning, control systems, and quality assurance. Students will use a broad range of tools and equipment and will combine modern manufacturing techniques and processes with computer-aided manufacturing as they develop critical decision-making, problem-solving, and project-management skills. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

You will start with simple projects such as making a screwdriver, meat tenderizer or weld a wire person designed by you. By the second term you will be able to design and build your own projects or work on projects such as building or fixing trailers, making snowboard rails, chess pieces or personal tools. The "M" in the course code means that this course is to get you ready for a college or university course so although you will do a lot of your work in the shop you will also work on the computer learning to create drawings or making drawings for your projects. You will also have the opportunity to write programs and run the computer milling machine.

TMJ4E1: Manufacturing Technology, Grade 12, Workplace Preparation

This project-driven, hands-on course builds on students' experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of engine lathes, milling machines, welding machines, and other related tools and equipment as they design and fabricate solutions to a variety of technological challenges in manufacturing. Students may have opportunities to acquire industry-standard training and certification. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry. You will be able to design and build your own projects or work on projects such as building or fixing trailers, making snowboard rails, chess pieces or personal tools. The "E" in the course code means that this course leads to the workplace so you will do almost all of your work in the shop.

Prerequisite: TMJ3E

TMJ4C1: Manufacturing Technology, Grade 12, College Preparation

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

Prerequisite: TMJ3C

You will be able to design and build your own projects or work on projects such as building or fixing trailers, making snowboard rails, chess pieces or personal tools. The "C" in the course code means that this course is to get you ready for a college course so although you will do a lot of your work in the shop you will also work on the computer learning to create drawings or making drawings for your projects. You will also have the opportunity to write programs and run the computer milling machine.

TMJ4M1: Manufacturing Engineering Technology, Grade 12, College/University Preparation

This course enables students to further develop knowledge and skills related to design, process planning, control systems, project management, quality assurance, and business operations. Students will use a broad range of tools and equipment, enhance their skills in computer-aided design, and collaborate in managing a project. Students will critically analyze and solve complex problems involved in manufacturing products. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry.

Prerequisite: TMJ3M

You will be able to design and build your own projects or work on projects such as building or fixing trailers, making snowboard rails, chess pieces or personal tools. The "M" in the course code means that this course is to get you ready for a college or university course so although you will do a lot of your work in the shop you will also work on the computer learning to create drawings or making drawings for your projects. You will also have the opportunity to write programs and run the computer milling machine.

TECHNOLOGY STUDIES -- TRANSPORTATION

TTJ2O1: Transportation Technology, Grade 10, Open

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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.

TTJ3C1: Transportation Technology, Grade 11, College Preparation

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.

TTJ3O1: Transportation Technology: Vehicle Ownership, Grade 11, Open

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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.

TTJ4C1: Transportation Technology, Grade 12, College Preparation

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.

Prerequisite: TTJ3C

TTJ4E1: Transportation Technology: Vehicle Maintenance, Grade 12, Workplace Preparation

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

Prerequisite: None



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.

There is one exception: **Up to one** secondary school credit that was completed by students who were in Grade 9 during the province-wide school closures (from April 2021 to June 2021) may be counted towards the graduation requirement, in recognition of the extraordinary circumstances of the COVID-19 pandemic.

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.

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 students and parents/guardians to opt back into the online learning graduation requirement should their decision change.

Opt-out Form:

https://www4.scdsb.on.ca/app/Questionnaires/SCDSB/ELEARNING_OPT_OUT

To investigate **Summer School** opportunities for **July 2024**, please click the following link:

https://www.thelearningcentres.com/programs/summer_school

To investigate **Night School** opportunities for the **2024-2025** year, please click below:

https://www.thelearningcentres.com/programs/night_school

