

NOTTAWASAGA PINES



Nottawasaga Pines

Secondary School

2023
C O U R S E
C A L E N D A R
2024

Nottawasaga Pines Secondary School

About us

We believe in the importance and value of completing a secondary education, and are committed to reaching all students through a variety of supports. A positive high school experience involves success in academics and a sense of belonging. We are family and community-oriented, and offer something for everyone. We have several long-standing traditions at NPSS, which provide opportunities to demonstrate school spirit and community outreach.

School highlights

Our wide range of extra-curricular activities include:

Teams & Sports: Alpine Skiing, Badminton, Baseball, Basketball, Cross Country Running, Curling, Dance, Fitness Activities, Flag Football, Golf, Hockey, Rugby, Slopitch, Soccer, Tennis, Track and Field, Ultimate Frisbee, Volleyball

Clubs: Athletic Council, Diversity and Excellence Association, Gender-Sexuality Alliance (GSA), Mock Trial, Nottawasaga Alliance for Sustainability, Yearbook

Arts: Drama Club, Notty Noise, NPSS Production Crew, Open Music Jam Session, Open Visual Art Studio

Leadership: Timberwolf Council (TWC), Athletic Leadership course

Community: Community Clean Up, Essa Public Library Teen Community Connectors, Food Drives, Relay for Life, Terry Fox Run

Program highlights

Specialist High Skills Major

– Health & Wellness

– Hospitality & Tourism

Ontario Youth Apprenticeship Program

Dual Credits (offering students the opportunity to earn college credits while in high school)

Co-op program and experiential learning

E-learning courses

Flexible pathways planning

Course selection information – timelines and due dates:

February 25, 2023 Grade 8 course selections due

March 1, 2023 Grade 9-12 course selections

**Students will work with Guidance, Special Education and Student Success to complete course selections*



NOTTAWASAGA PINES SS - CONDENSED CALENDAR

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ARTS				
Drama	ADA1O	ADA2O	ADA3M	ADA4M
Dance	ATC1O	ATC2O	ATC3M	ATC4M
Music - Guitar	AMG1O	AMG2O	AMG3O	AMG4M
Music - Guitar Music for Creating NEW!		AMC2O	AMC3O	
Photography - (Open)			AWQ3O	
Visual Arts	AVI1O	AVI2O		AVI4E
Visual Arts Drawing and Painting Focus Course NEW!			AWM3O	AVI4M
Urban Arts and Social Change		AWT2O		
Ceramics and Glass Fusion			AWC3M	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
BUSINESS				
Information and Communication Technology <small>*Offered every other year (offered in 2024-25)</small>	BTT1O	BTT2O		
Introduction to Business <small>*Offered every other year (offered in 2023-24)</small>	BBI1O1	BBI2O		
Financial Accounting Fundamentals			BAF3M	
Business Leadership: Management Fundamentals				BOH4M
Entrepreneurial Studies: Venture Planning			BDI3C	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
CANADIAN & WORLD STUDIES				
Issues in Canadian Geography	CGC1D			
Issues in Canadian Geography (Accommodated)	CGC1DB			
Travel and Tourism: A Geographic Perspective			CGG3O	
Canadian History since World War I		CHC2D		
Canadian History since World War I		CHC2P		
Canadian History since World War I		CHC2L		
Civics and Citizenship (half credit taken with Careers)		CHV2OH		
American History			CHA3U	
World History to End of the Fifteenth Century			CHW3M	
World Issues: A Geographic Analysis				CGW4U
World Issues: A Geographic Analysis				CGW4C

Understanding Canadian Law Canadian and University Law			CLU3M	CLN4U
World History Since the Fifteenth Century				CHY4U
Making Personal Economic Choices Canadian and International Politics NEW!			CIE3M	CIC4E CPW4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
CO-OPERATIVE EDUCATION				
Designing Your Future 2 credit co-op (half day in a semester) 4 credit co-op (full day in a semester)			GWL3O2 GLN4O4	GWL3O2 GLN4O4

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ENGLISH				
English English English	ENL1W ENG1L	ENG2D ENG2P ENG2L		ENG4U ENG4C ENG4E
English: Understanding Contemporary First Nations, Métis, and Inuit Voices English: Understanding Contemporary First Nations, Métis, and Inuit Voices English: Understanding Contemporary First Nations, Métis, and Inuit Voices			NBE3U NBE3C NBE3E	
The Writer's Craft NEW! The Writer's Craft NEW!				EWC4U EWC4C
Ontario Literacy Course			OLC3O	OLC4O

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ENGLISH AS A SECOND LANGUAGE and LITERACY DEVELOPMENT				
English as a Second Language	ESLA1O	ESLA1O	ESLA1O	ESLA1O

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
FIRST NATIONS, MÉTIS and INUIT STUDIES				
Expressions of First Nations, Métis, and Inuit Cultures (Indigenous Art Focus)	NAC1O			

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
FRENCH AND INTERNATIONAL LANGUAGES				
Core French Core French	FSF1D	FSF2D FSF2P	FSF3U	FSF4U
French (Open) *Offered every other year (offered in 2023-24)	FSF1O			

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
GUIDANCE & CAREER EDUCATION & SPECIAL EDUCATION				
Career Studies (half credit taken with Civics)		GLC2OH		
Peer Support/Leadership NEW!			GPP3O	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
HEALTH AND PHYSICAL EDUCATION				
Healthy Active Living Education (non-gender specific)	PPL1O	PPL2O	PPL3O	PPL4O
Personal and Fitness Activities (Non-gender specific unless indicated F=Female or M=Male)		PAF2OM PAF2OF	PAF3O	PAF4O
Healthy Living and Large Group Activities NEW! (Hockey Focus) *Offered every other year (offered in 2023-24)			PAL3O	
Athletic Leadership NEW!				PLF4M
Introductory Kinesiology				PSK4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
INTERDISCIPLINARY STUDIES				
Forensic Science and Biotechnology NEW!			IDC3O (BLOCKF)	
Yearbook Creation			IDC3O (BLOCKY)	IDC4U (BLOCKY)
Aquatic Leadership NEW! (2 credit course package, includes both PPZ3C and IDC3O or IDC4U)			PPZ3C/ IDC3O (BLOCKA)	IDC4U (BLOCKA)

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

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
SCIENCE				
Science Science Science (Locally Developed)	SNC1W SNC1L	SNC2D SNC2P SNC2L		
Biology Biology Biology Advanced Placement			SBI3C SBI3U	SBI4U SBI4UP
Chemistry (College)* offered every other year (offered in 2024-25) Chemistry (University)			SCH3U	SCH4C SCH4U
Environmental Science Environmental Science			SVN3M SVN3E	
Earth and Space Science				SES4U

Physics (College)* offered every other year (offered in 2023-24) Physics (University)			SPH3U	SPH4C SPH4U
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Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
SOCIAL SCIENCE AND THE HUMANITIES				
Exploring Family Studies	HIF101			
Food and Nutrition Food and Culture NEW!		HFN20	HFC3E	
Clothing		HNL20		
Introduction to Anthropology, Psychology, and Sociology Introduction to Anthropology, Psychology, and Sociology			HSP3U HSP3C	
Raising Healthy Children			HPC3O	
Challenge and Change in Society				HSB4U
Families in Canada Families in Canada				HHS4C HHS4U
Working with School-Age Children and Adolescents				HPD4C
Understanding Fashion			HNC3C	HNB4M
Dynamic of Human Relationships Nutrition and Health Equity, Diversity and Social Justice			HHD3O HSE3E	HFA4U

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
TECHNOLOGICAL EDUCATION				
Communications Technology		TGJ2O	TGJ3M	TGJ4M
Construction Technology	TCJ1O	TCJ2O	TCJ3E	TCJ4E
Custom Woodworking			TWJ3E	TWJ4E
Hairstyling and Aesthetics Barbering Course NEW!	TXJ1O	TXJ2O	TXJ3E TXH3E	TXJ4E TXH4E
Hospitality and Tourism Hospitality and Tourism		TFJ2O	TFJ3C TFJ3E	TFJ4C TFJ4E
Manufacturing Technology Manufacturing Technology		TMJ2O	TMJ3E TMJ3M	TMJ4E TMJ4M
Technological Design		TDJ2O	TDJ3M	TDJ4M
Transportation Technology Transportation Technology: Vehicle Ownership		TTJ2O	TTJ3O	TTJ4E
Exploring Technologies - Automotive and Manufacturing	TIJ1OA			
Exploring Technologies - Hospitality and Communication NEW!	TIJ1OH			

eLearning Courses

The Simcoe County District School Board partners with school boards throughout Ontario to offer many courses in an online format. Online courses begin and end with a regular school semester and must be chosen at course selection time.

To be successful in online courses, students must:

- sign in and participate in course activity daily
- interact with other students in the discussion area, including small group collaboration
- expect to spend 75 minutes each day plus homework time on the course

Things to remember when taking an eLearning course:

- Students with online courses are not always directly supervised. It is expected that they work independently and with their teacher
- Attendance is taken online and is based on daily activity and participation in the course
- A student will be marked absent if they do not complete the required activities each week
- Students will be removed from courses for non-attendance
- Teachers will connect with students through SCDSB email, D2L, and/or Google Applications

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

eLearning Courses

For a list of potential online courses offered through other Ontario School Boards , please see the website below:

<https://prism.elearningstudents.ca>

Click to view the most current course offerings for the current (or next) school year. When prompted to choose a school board, select "ALL BOARDS" for an exhaustive list of offerings. For more course information, including a detailed description as well as any prerequisite course requirements, use a search engine to look for the "course title" and "curriculum expectations".

See below for a list of e-learning courses offered through our board. Click below to see the same list as well as the description of each of these courses.

[eLearning courses within our board](#)

SCDSB eLearning

Departments and Course Titles		Grade 9	Grade 10	Grade 11	Grade 12
ARTS	Visual Arts – Digital Media (open)			AWS3OV	
BUSINESS	International Business Fundamentals (Univ./College)				BBB4MV
	Business Leadership (Univ./College)				BOH4MV
	Financial Accounting Principles (Univ./College)				BAT4MV
	Financial Accounting Fundamentals (Univ./College)			BAF3MV	
	Info. and Comm. Technology: The Digital Environment (Open)			BTA3OV	
	Accounting Essentials (Workplace)			BAI3EV	
CANADIAN AND WORLD STUDIES	Analyzing Current Economic Issues (University)				CIA4UV
	Canadian and International Law (University)				CLN4UV
	World Issues: A Geographic Analysis				CGW4UV
	Legal Studies (College)				CLN4CV
	The Environment and Resource Management (Univ./College)				CGR4MV
	World History since 1900 (Open)			CHT3OV	
	Understanding Canadian Law (Univ./College)			CLU3MV	
	Careers/Civics (Open)		GLC2OV/ CHV2OV		
	Computer Science (University)				ICS4UV
	Introduction to Computer Science (University)			ICS3UV	
COMPUTER SCIENCE	Introduction to Computer Programming (College)			ICS3CV	

ENGLISH	English (University)			ENG4UV
	Writer's Craft (University)			EWC4UV
	Writer's Craft (College)			EWC4CV
	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	
FIRST NATION, MÉTIS, AND INUIT STUDIES	Expressions of First Nations, Métis and Inuit Culture (Open) FRENCH	NAC1OW		
	First Nations, Métis, and Inuit in Canada (Open) FRENCH		NAC2OW	
MATH	Data Management (University)			MDM4UV
	Functions (University) Foundations of Mathematics (College)		MCR3UV MBF3CV	
	Mathematics for Work and Everyday Life (Workplace)			MEL4EV
HEALTH AND PHYSICAL EDUCATION	Kinesiology (University)			PSK4UV
	Health for Life (College)		PPZ3CV	
SCIENCE	Physics (College)			SPH4CV
	Science (Univ./College)			SNC4MV
	Science (Workplace)			SNC4EV
	Biology (University)		SBI3UV	

	Environmental Science (Workplace)			SVN3EV	
	Chemistry (University)			SCH3UV	SCH4UV
SOCIAL STUDIES	Philosophy: Questions & Theories (University)				HZE4UV
	World Cultures (Univ./College)				HSC4MV
	Human Growth & Development (Univ./College)				HHG4MV
	Equity and Social Justice (Univ./College)				HSE4MV
	Personal Life Management (Open)				HIP4OV
	Food and Culture (Univ./College)			HFC3MV	

NOTE: The above courses are being offered online.

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/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.

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

Parents/guardians may choose to opt their children out of the mandatory online learning credits required for graduation. To opt out, a parent/guardian must submit an opt-out form to the school. Students 18 years of age or older, or who are 16 or 17 years of age and have withdrawn from parental control, can also opt out of the graduation requirement by submitting an opt-out form to the school (which will be available in June of 2023). School boards must also allow for students and parents/guardians to opt back into the online learning graduation requirement should their decision change. Please contact the school for further information on this process.

***Students will be given the opportunity to “opt out” of the online requirements**

Summer School Courses

All summer school registrations must be completed through your guidance counselor. Lists of potential courses can be found through the following link:

[The Learning Centre-Summer School](#)

Registration opens in May. Courses run both in July and/or August

Travel and Earn Credits

The SCDSB also partners with **Edutravel**, an independent travel company that offers credit-based learning opportunities for summer and March break for a fee.

Please visit [Edutravel](#) for possible opportunities. Registration is completed through the Edutravel website, and additional registration requirements must be completed through a guidance counselor

Night School

Night school runs throughout the semester and is offered at the Barrie Learning Campus (virtual and face-to-face). All registrations must be completed through your guidance counselor. A list of potential night courses can be found through:

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

Registrations must be completed during the first 2 weeks of the semester start.

SPECIALIST HIGH SKILLS MAJOR (SHSM) PROGRAM HEALTH & WELLNESS

The Specialist High Skills Major (SHSM) program in Health and Wellness provides grade 11 and 12 students with an opportunity to focus their learning on an employment sector and gain valuable work experiences.

The SHSM program has a number of required components designed to give students a “leg up” to pursue post-secondary opportunities in the workplace, apprenticeship, college and university pathways in a variety of employment sectors.

In addition to the 4 “Major Credits”, 2-3 “Supporting Credits” and 2 credits in Co-operative Education, students earn industry-recognized certifications increasing confidence in their ability to succeed and see the connections between their academic studies, the world beyond highschool and future careers.

HEALTH & WELLNESS

The Health and Wellness SHSM Program at Nottawasaga Pines supports students interested in pursuing a career in health and wellness including some of the following careers:

- Primary health practitioners
- Audiologists and speech-language pathologists
- Chiropractors
- Dentists
- Dietitians and nutritionists
- Family, marriage, and other related counsellors
- Optometrists
- Pharmacists
- Psychologist
- Teacher
- First Responders-Police, Fire and Ambulance



- Registered nurses and registered psychiatric nurses
- Specialist physicians
- Early childhood educators
- Social and community service workers
- Dental hygienists and dental therapists
- Massage therapists
- Medical laboratory technicians
- Respiratory therapists

Students will gain valuable industry-recognized certifications and training for FREE, including:

- Standard First Aid
- Mental Health First Aid
- Cardiopulmonary Resuscitation (CPR)
- Infection Control
- Workplace Hazardous Materials Information System (WHMIS)
- Concussion Awareness
- Equity and Inclusion
- Dietary Considerations
- Child Safety and Injury Prevention
- Conflict Resolution
- Behaviour Management
- Communication Skills
- Stress Management
- Non-Violent Crisis Intervention
- Wrapping and taping for performance and injury
- Mental Health Awareness
- Sign Language



Enrollment into the program begins at the end of the student's grade 10 year. Students must complete an application and be interviewed by a member of the SHSM teacher team to gain admission into the program. For more information regarding the program, please contact [Jennifer Mansfield-Oehm](mailto:jemansfield@scdsb.on.ca), (jemansfield@scdsb.on.ca) in the Guidance Office.

SHSM Health & Wellness

Course Titles		Grade 11		Grade 12	
Major Credits <ul style="list-style-type: none"> • 4 Required • At least 1 from each grade level 	Guidance & Career Education	GPP301 IDC301		IDC4U1	
	Health & Physical Education	PAF301 PAL301 PPZ3C1	PPL30F PPL30M PAI301	PAF401 PPL401	PSK4U1
	Social Science & Humanities	HPC301 HHD301 HSE3E1	HSP3C1 HSP3U1 HFC3E1	HHS4U1 HHS4C1	HPD4C1 HSB4U1 HFA4U1
	The Arts	ATC3M1		ATC4M1	
	Technological Education	TFJ3E1 TFJ3C1	TXJ3E1 TXH3E1	TFJ4E1 TXH4E1	TXJ4E1 TFJ4C1
	English <ul style="list-style-type: none"> • 2 Required 	NBE3C1 NBE3U1 NBE3E1	ENG3C1 ENG3U1 ENG3E1 OLC3O1	ENG4C1 ENG4U1	ENG4E1 OLC4O1

Math • 1 Required Other • 1 Required Co-op • 2 Credits Required	Mathematics	MBF3C1 MCR3U1	MCF3M1 MEL3E1	MAP4C1 MEL4E1	MHF4U1 MCV4U1 MDM4U1
	Science	SBI3C1 SCH3U1 SPH3U1	SVN3E1 SVN3M1 SBI3U1	SCH4C1 SCH4U1 SBI4U1	SPH4C1 SPH4U1
	Cooperative Education <i>*Placement related to SHSM Program</i>	GWL3O2 (2 credit)		GLN4O4 (4 credit)	

SPECIALIST HIGH SKILLS MAJOR (SHSM) PROGRAM HOSPITALITY & TOURISM

The Specialist High Skills Major (SHSM) program in Hospitality and Tourism provides grade 11 and 12 students with an opportunity to focus their learning on an employment sector and gain valuable work experiences.

The SHSM program has a number of required components designed to give students a “leg up” to pursue post-secondary opportunities in the workplace, apprenticeship, college and university pathways in a variety of employment sectors.

In addition to the 4 “Major Credits”, 2-3 “Supporting Credits” and 2 credits in Co-operative Education, students earn industry-recognized certifications increasing confidence in their ability to succeed and see the connections between their academic studies, the world beyond highschool and future careers.

HOSPITALITY & TOURISM

The Health and Wellness SHSM Program at Nottawasaga Pines supports students interested in pursuing a career in health and wellness including some of the following careers:

- Bakers
- Butchers, meat cutters, and fishmongers
- Chefs
- Conference and event planners
- Cooks
- Accommodation service managers
- Conference and event planners
- Food service supervisors
- Professional occupations in advertising, marketing, and public relations
- Restaurant and food service managers
- Travel counselors
- Biologists and related scientists
- Dietitians and nutritionists
- Inspectors in public and environmental health and occupational health and safety



Students will gain valuable industry-recognized certifications and training for FREE, including:

- Standard First Aid
- Customer Service
- Cardiopulmonary Resuscitation (CPR)
- Workplace Hazardous Materials Information System (WHMIS)
- Fire Safety and Fire Extinguisher Use
- Cook/ line cook
- Guest Services
- Dietary Considerations
- Cash handling and register training
- Event Coordinator
- Food Handler Certification
- Infection Control
- Introduction to Hospitality Management
- Spa Service
- Safe Food Handling
- Smart Serve



Enrollment into the program begins at the end of the student's grade 10 year. Students must complete an application and be interviewed by a member of the SHSM teacher team to gain admission into the program. For more information regarding the program, please contact [Jennifer Mansfield-Oehm](mailto:jemansfield@scdsb.on.ca), (jemansfield@scdsb.on.ca) in the Guidance Office.

SHSM Hospitality & Tourism

Course Titles		Grade 11		Grade 12	
Major Credits <ul style="list-style-type: none"> • 4 Required • At least 1 from each grade level English <ul style="list-style-type: none"> • 2 Required Math <ul style="list-style-type: none"> • 1 Required Other <ul style="list-style-type: none"> • 1 Required 	Technological Education	TFJ3E1 TFJ3C1	TXJ3E1 TXH3E1	TFJ4E1 TFJ4C1	TXJ4E1 TXH4E1
	Social Science & Humanities		HFC3E1		HFA4U1
	Guidance & Career Education	IDC3O1		IDC4U1	
	English	NBE3C1 NBE3U1 NBE3E1	ENG3C1 ENG3U1 ENG3E1 OLC3O1	ENG4C1 ENG4U1	ENG4E1 OLC4O1
	Health & Physical Education	PPL3O1 PAF3O1	PAL3O1	PPL4O1	
	Mathematics	MBF3C1 MCR3U1	MCF3M1 MEL3E1	MAP4C1 MEL4E1	MHF4U1 MCV4U1 MDM4U1
	Canadian World Studies			CGG301	
	Science	SBI3C1 SBI3U1 SCH3U1	SVN3E1 SVN3M1	SCH4C1 SCH4U1	SBI4U1
	Business Studies	BAF3M1 BDI3C1		BOH4M1	

Co-op • 2 Credits Required	Cooperative Education <i>*Placement related to SHSM Program</i>	GWL3O2 (2 credit)	GLN4O4 (4 credit)
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GRADE 9 COURSES

The Grade 9 Program (8 credits)

All students must take the following 5 courses:

English (De-streamed or Locally Developed)

Mathematics (De-streamed or Locally Developed)

Science (De-streamed or Locally Developed)

Geography (De-streamed or Accommodated)

French (De-streamed or Open)

plus

3 elective courses of their choice from grade 9 courses offered by various Departments.

ARTS

ADA101: Dramatic Arts, Open

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

ATC101: Dance, Open

This course gives students the opportunity to explore their technical and compositional skills by applying the elements of dance and the tools of composition in a variety of performance situations. Students will generate movement through structured and unstructured improvisation, demonstrate an understanding of safe practices with regard to themselves and others in the dance environment, and identify the function and significance of dance within the global community.

AMG101: Music Guitar, Open

This course is an introduction to the guitar and emphasizes performance of music that strikes a balance between challenge and skill. Student learning will include a variety of guitar techniques, creative activities and perceptive listening. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history.

AVI101: Visual Arts, Open

This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials

by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.

BUSINESS STUDIES

BTT101: Information and Communication Technology in Business, Grade 9, Open

****This course is offered every other year****

Next offered in 2024-2025

Understanding the connection between business and communication technology are at the forefront of what we need to be successful individuals. If you are looking for a course that can help strengthen your communication skills while learning how to use a variety of tools to do so, then this is the course for you.

Focusing heavily on digital literacy and digital citizenship, this course will help you understand and improve your skills and understanding of the internet and productivity software (word processors, spreadsheets, databases & slideshows). Not only are these critical skills helping us with future employability, they're also going to help us work smarter, not harder, in all of our other high school courses. This course will make you a more effective communicator in the workplace, classroom, social settings and everyday life.

BBI101: Introduction to Business, Grade 9, Open

****This course is offered every other year****

Next offered in 2023-2024

Business is one of the most diverse subjects that you can take; there truly is always something for everyone. The introduction to business course will expose you to the different disciplines in business and let you find the area that you enjoy and excel at: accounting, economics, entrepreneurship, management and marketing. If you're looking to introduce yourself to business, but aren't sure what it's all about, then this course is for you.

Throughout the course you'll learn the key fundamentals of how and why businesses operate, for what purposes, while also learning about the different functions that support their success. This course will give you a solid foundational knowledge and understanding of business studies, can help you find business disciplines that compliment you and prepare you for more focused study in your senior years.

CANADIAN AND WORLD STUDIES

CGC1D1: Issues in Canadian Geography, De-streamed

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

CGC1DB: Geography of Canada, Accommodated

This course focuses on geographic issues that affect Canadians today. Students will draw on personal and everyday experiences as they learn about Canada's distinct and changing character and the natural and human

systems and global influences that shape the country. Students will use a variety of geotechnologies and inquiry and communication methods to examine practical geographic questions and communicate their findings. This is an “Accommodated” class.

ENGLISH

ENL1W1: English, De-streamed

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

ENG1LL: English, 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, poetry, and drama and practice the skills necessary for clear and accurate spoken and written language. Course activities will help develop confidence and self-esteem and provide motivation to succeed in school and life.

ENGLISH as a SECOND LANGUAGE

ESL: English as a Second Language 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. They can read and write in their own language within the expected range for students of their age in their own country. They can build on their existing first-language skills when learning English in an ESL program. The five ESL courses are based on levels of proficiency in English. Depending on learners’ previous experience with English, students may be placed in ESL Level 1, 2, 3, 4, or 5.

FIRST NATIONS, MÉTIS and INUIT STUDIES INUIT

NAC10: Expressions of First Nations, Métis and Inuit Cultures, Open

“Expressions of First Nations, Métis, and Inuit Cultures” focuses on both art appreciation and art creation. It allows students to analyze First Nations, Métis, and Inuit works in the various arts and, acting ethically and responsibly, to create art works and/or productions that integrate aspects of these disciplines. This course encourages creative expression and fosters the development of skills and knowledge that prepare students for lifelong learning and participation in the arts and arts-related activities. Students will explore creative challenges through the use of elements, principles, materials, techniques, and tools associated with two or more arts disciplines, including dance, drama, media arts, music, and visual arts. Students also explore the functions of, influences on, and impact of art works from various disciplines and from several different First Nations, Métis, and Inuit cultures.

HEALTH AND PHYSICAL EDUCATION

PPL101: Healthy Active Living Education (non-gender specific), Open

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

LANGUAGES

FSF1D1: Core French, De-streamed

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

FSF1O1: Core French, Grade 9, Open

****This course is offered every other year****

Next offered in 2023-2024

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

Prerequisite: None

MATHEMATICS

MTH1W1: Mathematics, De-streamed

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

MAT1LL: Mathematics, 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 the opportunity to explore, organize, interpret, and use mathematical models to solve problems. Technology and manipulative materials will be used wherever appropriate. Assessment and evaluation will be done using a wide variety of strategies.

SCIENCE

SNC1W1: Science, De-streamed

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

SNC1LL: Science, Locally Developed

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the relationship between science, society, and the environment, to prepare students for success in everyday life, in the workplace, and in the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in daily life, properties of common materials, life-sustaining processes in simple and complex organisms, and electrical circuits. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

SOCIAL SCIENCE AND HUMANITY

HIF101: Exploring Family Studies, Open

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

TECHNOLOGICAL EDUCATION

TCJ101: Exploring Construction Technology, Open

This exploratory course introduces students to concepts and skills in construction technology which encompasses plumbing, electrical wiring, masonry, heating/cooling, carpentry, and woodworking. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and post-secondary pathways leading to careers in the field.

TXJ101: Exploring Hairstyling and Aesthetics, Open

This exploratory course introduces students to a variety of skills related to hairstyling and aesthetics which give students an opportunity to develop their skills with a hands-on approach. This course enables students to explore their knowledge and understanding of a variety of hairstyles, manicures, pedicures and skin care applications. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and post-secondary pathways leading to careers in this industry.

TIJ10A: Exploring Technologies: Automotive and Manufacturing, Open

This course is completed in 2 different technology shops. Manufacturing and Transportation. Students will spend half of the semester learning about automotive technology and half of the semester learning about manufacturing technology.

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

Transportation: This exploratory course introduces students to concepts and skills related to transportation technology, which encompasses the design, safety constraints, maintenance, servicing, and repair of various types of vehicles. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field.

Manufacturing: This exploratory course introduces students to concepts and skills related to manufacturing technology, which encompasses technical drawing, properties and preparation of materials, manufacturing techniques, and control systems. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field.

TIJ10H: Exploring Technologies: Hospitality and Communication, Open NEW

This course is completed in 2 different technology classrooms. Hospitality and Communication Technology. Students will spend half of the semester learning about the hospitality field and half of the semester learning about communication technology.

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

Hospitality: This hands-on exploratory course introduces students to concepts and skills related to hospitality and tourism, focusing on the areas of food handling, food preparation, the origins of foods, and event planning.

Communication: This course enables students to explore and develop knowledge and skills related to various emerging technologies. Students will have the opportunity to explore areas such as Architecture, 3D Modeling, Graphic Design, Digital Photography/Photoshop, Computer Animation, Video Production, and Green Screening with Special Effects. Throughout the course students will also learn about workplace safety, the history of technology, the design process and other invaluable problem solving and teamwork skills.

GRADE 10 COURSES

The Grade 10 Program (8 credits)

All Students must take the following 5 courses:

English (Academic, Applied, Locally Developed)

Mathematics (Academic, Applied, Locally Developed)

Science (Academic, Applied, Locally Developed)

History (Academic, Applied, Locally Developed)

Civics & Career Studies (Open)

plus 3 elective courses of their choice from the various grade 10 courses offered by Departments or, where appropriate, grade 11 courses.

***Important Notes** – Students who did not earn a compulsory grade 9 credit in a core subject must repeat the subject before taking the grade 10 course. Students should choose courses based on prerequisites needed for grade 11 & 12 courses that lead to their desired post-secondary destination (University, College, or the Workplace).

ARTS

ADA201: Dramatic Arts, 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.

ATC201: Dance, Open

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

AMG201: Guitar, Open

This course is an introduction to the guitar and emphasizes performance of music that strikes a balance between challenge and skill. Student learning will include a variety of guitar techniques, creative activities and perceptive listening. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history.

AMC201: Music for Creating, Open* **NEW!*

This is a course designed for students who wish to explore the creation and performance of music at a level consistent with previous experience. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of project-based assignments. Students will have the hands-on experience of using computers for creative exploration, composition, and performance. Basic performance skills on a variety of instruments will be taught. Independently and collaboratively, students will use the creative and critical analysis processes to plan, produce, present and market musical productions. Prior musical experience is not required.

AVI201: Visual Arts, Open

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

AWT201: Visual Arts, Non-Traditional, Open

Students explore urban, street design, and art forms together with social justice issues. The course emphasizes: the elements and principles of design; observational drawing using a variety of media and techniques; as well as critical and creative thinking skills. The course utilizes a hands-on approach to explore the creative process

in both 2 and 3 dimensional projects. Students use art as a vehicle through which they will examine their own world and express themselves.

BUSINESS STUDIES

BTT2O1: Information and Communication Technology in Business, Grade 10, Open

****This course is offered every other year****

Next offered in 2024-2025

Understanding the connection between business and communication technology are at the forefront of what we need to be successful individuals. If you are looking for a course that can help strengthen your communication skills while learning how to use a variety of tools to do so, then this is the course for you.

Focusing heavily on digital literacy and digital citizenship, this course will help you understand and improve your skills and understanding of the internet and productivity software (word processors, spreadsheets, databases & slideshows). Not only are these critical skills helping us with future employability, they're also going to help us work smarter, not harder, in all of our other high school courses. This course will make you a more effective communicator in the workplace, classroom, social settings and everyday life. **Prerequisite: None**

BBI2O1: Introduction to Business, Grade 10, Open

****This course is offered every other year****

Next offered in 2023-2024

Business is one of the most diverse subjects that you can take; there truly is always something for everyone. The introduction to business course will expose you to the different disciplines in business and let you find the area that you enjoy and excel at: accounting, economics, entrepreneurship, management and marketing. If you're looking to introduce yourself to business, but aren't sure what it's all about, then this course is for you.

Throughout the course you'll learn the key fundamentals of how and why businesses operate, for what purposes, while also learning about the different functions that support their success. This course will give you a solid foundational knowledge and understanding of business studies, can help you find business disciplines that compliment you and prepare you for more focused study in your senior years. **Prerequisite: None**

CANADIAN AND WORLD STUDIES

CHC2D1: Canadian History since World War I, Academic

This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.

CHC2P1: Canadian History Since World War I, Applied

This course explores some of the pivotal events and experiences that have influenced the development of Canada's identity as a nation from World War I to the present. By examining how the country has responded to economic, social, and technological changes and how individuals and groups have contributed to Canadian culture and society during this period, Students will develop their ability to make connections between historical

and current events. Students will have opportunities to formulate questions, locate information, develop informed opinions, and present ideas about the central issues and events of the period.

CHC2LL: Canadian History Since World War I, Locally Developed

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 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.

CHV2OH: Civics, Open (half credit)

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them. **Note:** Grade 10 students do not select this course individually. Please select CIV2CA (Guidance and Career Education).

ENGLISH

ENG2D1: English, Academic

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

ENG2P1: English, Applied

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course. **Prerequisite: English, Grade 9, De-streamed**

ENG2LL: English, 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 essential English course and works toward preparing students to enter the Grade 11 course in English at the workplace 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: Grade 9, Locally Developed English**

ENGLISH as a SECOND LANGUAGE

ESL: English as a Second Language 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. They can read and write in their own language within the expected range for students of their age in their own country. They can build on their existing first-language skills when learning English in an ESL program. The five ESL courses are based on levels of proficiency in English. Depending on learners' previous experience with English, students may be placed in ESL Level 1, 2, 3, 4, or 5.

GUIDANCE AND CAREER EDUCATION

GLC20H: Career Studies, Open (half credit)

This course teaches students how to develop and achieve personal goals for future learning, work and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores post-secondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan. **Note: Grade 10 students do not select this course individually. Please select CIV2CA (Guidance and Career Education).**

HEALTH AND PHYSICAL EDUCATION

PPL201: Healthy Active Living Education, Open (non-gender specific)

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.

PAF20M: Personal and Fitness Activities, Open (Students who identify as Male)

PAF20F: Personal and Fitness Activities, Open (Students who identify as Female)

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. This course will focus on activities to promote lifelong physical and mental wellness in a fitness center atmosphere. Students will learn to develop and revise personal fitness plans to suit their own needs, as well as assess and monitor their health related fitness during physical activity. The development of these skills will start students on a path to achieving their personal wellness goals both now and in the future.

LANGUAGES

FSF2D1: Core French, Academic

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

French-speaking communities, and will develop skills necessary for lifelong language learning. **Prerequisite: Core French, Grade 9, De-streamed**

FSF2P1: Core French, Applied

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

MATHEMATICS

MPM2D1: Principles of Mathematics, Academic

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems. **Prerequisite: Grade 9 Mathematics, De-streamed**

MFM2P1: Foundations of Mathematics, Applied

This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. **Prerequisite: Grade 9 Mathematics, De-streamed**

MAT2LL: Mathematics, Locally Developed

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. **Prerequisite: Grade 9 Math, Locally Developed**

SCIENCE

SNC2D1: Science, Academic

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

forces that affect climate and climate change; and the interaction of light and matter. **Prerequisite: Science, Grade 9, De-streamed**

SNC2P1: Science, Applied

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

SNC2LL: Science, Locally Developed

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the relationship between science, society, and the environment, to prepare students for success in everyday life, in the workplace, and in the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in daily life, properties of common materials, life-sustaining processes in simple and complex organisms, and electrical circuits. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities. **Prerequisite: Grade 9, Locally Developed or De-streamed Science. Note: This course is counted as an optional, not a compulsory credit.**

SOCIAL SCIENCE AND HUMANITIES

HFN2O1: Food and Nutrition, Open

This course explores the factors that affect attitudes and decisions about food, examines current issues of body image and food marketing, and is grounded in the scientific study of nutrition. Students will learn how to make informed food choices and how to prepare foods, and will investigate our Canadian food heritage and food industries, as well as global food issues. The course also introduces students to research skills related to food and nutrition.

HNL2O1: Clothing, Open

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.

TECHNOLOGICAL EDUCATION

TGJ2O1: Communications Technology, Open

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

TCJ2O1: Construction Technology, Open

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

TXJ201: Hairstyling and Aesthetics, Open

This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Using materials, processes, and techniques used in the industry, students learn fundamental skills in hairstyling, giving manicures and facials, and providing hair/scalp analyses and treatments. Students will also consider related environmental and societal issues, and will explore secondary and post-secondary pathways leading to careers in the field of hairstyling and aesthetics.

TFJ201: Hospitality and Tourism, Open

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

TMJ201: Manufacturing Technology, Open

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 molding. 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.

TDJ201: Technological Design, Open

This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field.

Prerequisite: None

TTJ201: Transportation Technology, Open

This course introduces students to the service and maintenance of vehicles. 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 post-secondary pathways leading to careers in the transportation industry.

GRADE 11 COURSES

The Grade 11 Program (8 credits)

All students must take the following 2 courses:

English (College, University or Workplace)

Mathematics (College, University or Workplace)

plus

6 elective courses of their choice from the various grade 11 courses offered by departments or, where appropriate, grade 10 or grade 12 courses.

***Important Notes:** Students who did not earn a compulsory grade 10 credit in a core subject must repeat the course. Students should be aware of the 18 compulsory credits required for their Diploma and ensure that they have earned a **Group 1, Group 2 or Group 3** credit by the end of grade 11.

ARTS

ADA3M1: Dramatic Arts, University/College

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

ATC3M1: Dance, University/College

This course emphasizes the development of students' artistry, improvisational and compositional skills, and technical proficiency in global dance genres. 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: Dance, Grade 9 or 10

AMG3O1: Music, Guitar, Open

This course emphasizes the appreciation, analysis, and performance of various kinds of music, including baroque and classical, popular, Canadian and non-Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities and analyze and evaluate live and recorded

performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities. These courses will focus specifically on performance, theory, history, composition and arrangement using the guitar as our primary instrument.

AMG3M1: Music, Guitar, University/College

This course emphasizes the appreciation, analysis, and performance of various kinds of music, including baroque and classical, popular, Canadian and non-Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities and analyze and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities. These courses will focus specifically on performance, theory, history, composition and arrangement using the guitar as our primary instrument. **Prerequisite Guitar, Grade 9 or 10**

AMC3O1: Music for Creating, Open NEW!

This course is designed for students who wish to further explore the creation and performance of music at a level consistent with previous experience. Students will continue to develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of project-based assignments. Students will have increased hands-on experience of using computers for creative exploration, composition, and performance. More advanced performance skills on a variety of instruments will be taught. Independently and collaboratively, students will use the creative and critical analysis processes to plan, produce, present and market musical productions. **Prerequisite: Music for Creation grade 10, or by permission.**

AWC3M1: Ceramics/Glass Fusion, University/College

This course enables students to further develop their knowledge and skills in visual arts with a specific focus on pottery and glass studies. They will use the creative process to explore a wide range of themes and techniques through studio work in pottery and glass. Students will focus on pottery wheel work, glaze dipping/mixing, mold building and a variety of contemporary and experimental glass fusion techniques. Students will continue to develop their critical skills as well as an appreciation of more contemporary work.

Prerequisite: Visual Arts, Grade 9 or 10, Open

AWM3O1: Drawing and Painting Focus Course, Open NEW!

This course enables students to further develop their knowledge and skills in visual arts with a specific focus on drawing and painting. Students will use the creative process to explore a wide range of themes through studio work in various forms of drawing and painting, as well as the creation of collage, multimedia works, and works using emergent technologies. Students will use the critical analysis process when evaluating their own work and the work of others.

AWQ3O1: Photography, Open

The focus of this course is the introduction to the field of photography and will allow students to improve technical skills while pursuing their own creative interests. Students will also explore photography within a personal, contemporary, historical, and cultural context. This course is designed to give students a sound working knowledge of the art and science of digital photography. Students will become familiar with post-process editing, the elements and principles of design and the materials, processes, techniques and styles of photography. The majority of the assignments require the use of a digital camera (student supplied SD Card). **Prerequisite: None**

BUSINESS STUDIES

BAF3M1: Financial Accounting Fundamentals, Grade 11 University/College Preparation

Want to know more about money, specifically related to how businesses earn and account for their profits? This course is for you where you can learn how to read financial statements, analyze the progress of companies, and develop skills that will also be useful in managing your own finances.

Students will be introduced to the fundamental principles and procedures of accounting as they develop their financial analysis and decision making skills in both a manual and computerized setting. Students will acquire an understanding of the accounting cycle for a sole proprietorship (one owner) for both service and merchandising businesses, starting with recording of transactions and going through the process to prepare financial statements. Ethics, current issues and career opportunities will also be studied.

BDI3C1: Entrepreneurship: The Venture, Grade 11 College Preparation

Interested in running a business one day? Then this course is for you as you will learn the steps involved in preparing a venture plan and have the opportunity to create one of your own. 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.

CANADIAN AND WORLD STUDIES

CGG301: Travel and Tourism: A Geographic Perspective, Grade 11, Open

This course focuses on travel and tourism as the vehicle for studying selected world regions. Using a variety of geotechnologies 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: Canadian Geographic Issues, Grade 9, De-streamed or Accommodated**

CHA3U1: American History, Grade 11, University Preparation

This course traces the social, economic, and political development of the United States from colonial times to the present. Students will examine issues of diversity, identity, and culture that have influenced the country's social and political formation and will consider the implications of its expansion into a global superpower. Students will use critical-thinking and communication skills to determine causal relationships, evaluate multiple perspectives, and present their own points of view. **Prerequisite: Canadian History Since World War I, Grade 10, Academic or Applied**

CHW3M1: World History to the End of the Fifteenth Century, University/College Preparation

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

CIE3M1: The Individual and the Economy, University /College Preparation

This course explores issues and challenges facing the Canadian economy as well as the implications of various responses to them. Students will explore the economic role of firms, workers, and government as well as their own role as individual consumers and contributors, and how all of these roles contribute to stability and change in the Canadian economy. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate the impact of economic issues and decisions at the individual, regional, and national level. **Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied**

CLU3M1: Understanding Canadian Law, University/College Preparation

This course explores Canadian law with a focus on legal issues that are relevant to people's everyday lives. Students will investigate fundamental legal concepts and processes to gain a practical understanding of Canada's legal system, including the criminal justice system. Students will use critical-thinking, inquiry, and communication skills to develop informed opinions on legal issues and apply this knowledge in a variety of ways and settings, including case analysis, legal research projects, mock trials, and debates. **Prerequisite: Canadian History Since World War I, Grade 10, Academic or Applied**

COOPERATIVE EDUCATION (2 CREDITS or 4 CREDITS)

What is Co-op?

Co-operative Education is a valuable learning experience that takes place in the community. Students have the opportunity to "test drive a career" prior to postsecondary school to help them develop a career path. Their co-op experiences help the students to develop essential skills and work habits necessary for success within the context of school and the world of work. Students could be working in almost any type of business or community organization (e.g. vet clinic, elementary school, daycare, retail, restaurant, auto body, auto mechanics, welding, etc.).

A student's experiential learning program is credit bearing and may be timetabled for either half of the school day (2 credits), or the entire day (4 credits). Credits are granted based on in class assignments, employer evaluations, and successful attendance at the work placement. As a result, strong attendance is mandatory. Register for one of the co-op courses listed below. Students are advised to speak with a guidance counselor or one of the co-op teachers to discuss the suitability of this program.

This course consists of a community-connected experience and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students 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 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

Why Take Co-op?

Cooperative education provides students with an opportunity to enhance their academic life at Nottawasaga Pines Secondary School and supports student decisions pertaining to choices in post-secondary workplace or education programs (e.g. apprenticeship, college, university). Students will pursue their interests in an appropriate workplace and develop knowledge, skills and attitudes that are essential in today's working world. In addition, the Ontario Youth Apprenticeship Program (OYAP) provides an opportunity for students interested in pursuing a career in apprenticeable trades to begin their pathway prior to completing secondary school.

Students are required to arrange their own transportation to their work site. Some cooperative education placements may involve costs for medical/immunizations, security checks, safety equipment or special clothing. These costs are the responsibility of the student and the parent/guardian. It should also be understood that placements in some fields of work are very limited and that the first placement choice cannot be guaranteed. Students who are interested in Co-op must complete the following steps prior to beginning the program.

GWL302 – 2 Credit Cooperative Education Program:

The student is at the workplace for a total of 2.5 hours for either the morning or afternoon portion of each school day. The student is enrolled in classes at the school for the other part of the school day.

GLN404 – 4 Credit Cooperative Education Program:

The student is at the workplace for a full school day(5 hours).

ENGLISH

NBE3U1: English: Understanding First Nations, Métis, and Inuit Voices, Grade 11, University Prep.

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: English, Grade 10, Academic**

NBE3C1: English: Understanding First Nations, Métis, and Inuit Voices, Grade 11, College Preparation

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

Prerequisite: English, Grade 10, Academic or Applied

NBE3E1: English: Understanding First Nations, Métis, and Inuit Voices, Grade 11, Workplace

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

Prerequisite: English, Grade 10, Academic or Applied, or the Grade 10 locally developed compulsory credit (LDCC) course in English

OLC3O1: Ontario Secondary School Literacy Course, Open

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

ENGLISH as a SECOND LANGUAGE

ESL: English as a Second Language 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. They can read and write in their own language within the expected range for students of their age in their own country. They can build on their existing first-language skills when learning English in an ESL program. The five ESL courses are based on levels of proficiency in English. Depending on learners' previous experience with English, students may be placed in ESL Level 1, 2, 3, 4, or 5.

GUIDANCE AND CAREER EDUCATION

GPP301: Leadership and Peer Support, Open NEW!

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

HEALTH AND PHYSICAL EDUCATION

PAF301: Personal and Fitness Activities (non-gender specific), 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. This course will focus on activities to promote lifelong physical and mental wellness in a fitness center atmosphere. Students will learn to develop and revise personal fitness plans to suit their own needs, as well as assess and monitor their health related fitness during physical activity. The development of these skills will start students on a path to achieving their personal wellness goals both now and in the future.

PPL301: Healthy Active Living Education (non-gender specific), 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.

PAL301: Healthy Living and Large Group Activities (Hockey focus), Open NEW!

Fee for this course \$160

This course emphasizes regular PARTICIPATION in a variety of enjoyable activities that promote lifelong healthy active living. Students will learn movement skills, game rules, ways to improve personal fitness, and safety/injury prevention. In four health units students will investigate issues related to healthy eating, personal safety and injury prevention, substance use, addictions, and related behaviors, and human development and sexual health. Students will also participate in activities designed to develop goal-setting, communication, and social skills. The hockey skills program is co-educational and will be open to beginning players and advanced players. The program is intended for student-athletes who want to improve their fitness levels and playing abilities through skills specific training. The students will be exposed to important developmental skills of the game along with gaining valuable experiences in the areas of leadership, self-esteem, character development, nutrition and fitness. **This course does have a nominal fee of \$160 to cover the following items: 3 skates/week, jersey, socks, and a practice ball.**

INTERDISCIPLINARY STUDIES

IDC30 - Yearbook (BLOCKY), Open

This course is designed for those students interested in learning the skills of journalism, communications, and publishing as they pertain to the preparation of the annual school yearbook. Such areas as the elements of a good page design, and photography skills will be studied. Students will explore 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**

IDC30 - Forensic Science and Biotechnology (BLOCKF), Open NEW!

This interdisciplinary studies course introduces students to biotechnology and forensic science. Biotechnology integrates studies in biology and chemistry that are relevant to biotechnology to investigate developments and careers in such diverse fields as health care, agriculture, forestry, and marine life. Forensic science introduces the distinct fields of education and study that collectively comprise the forensic sciences. These fields include among others forensic pathology, forensic toxicology, serology and DNA typing, and forensic chemistry including drug analysis. This course will feature more laboratory time than other science courses, with a focus on analysis of data generated during laboratory investigations. **Prerequisite: Science, grade 10 Academic or Applied**

IDC30/IDC4U and PPZ3C - Aquatics Leadership (BLOCKA), College and University Preparation NEW!

Fee for this course \$250

Aquatics leadership course is a two-credit course which trains, certifies and supports student leadership in the aquatic industry. This course is offered in semester two in partnership with the Canadian Forces Base Borden and Township of Essa. Students will earn 2 high school credits, IDC30 or IDC4U and PPZ3C1, certification in Bronze Medallion, Bronze Cross, Emergency First Aid, Standard First Aid, CPR level C, and National Lifeguard Service (NLS) qualifications, as well as on the job training work experience. This program has a limited enrollment and students selecting this option will require a swim test to determine swimming proficiency.

Prerequisite: Students must be in grade 11 or 12 and at least 16 years of age to apply for employment with CFB Borden, however they may take the NLS qualification at the age of 15. This course does have a nominal fee of \$250 to cover the cost of certification and instruction. Note: Students must be 16 or before the last day of classes of the semester to apply for a lifeguarding position for the summer.

LANGUAGES

FSF3U1: Core French, University Preparation

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

will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **Prerequisite: Core French, Grade 10, Academic**

MATHEMATICS

MCR3U1: Functions, 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 complex, 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 advanced multi-step problems. **Prerequisite: Principles of Mathematics, Grade 10, Academic**

MCF3M1: Functions and Applications, University/College Preparation

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

MBF3C1: Foundations for College Mathematics, College Preparation

This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; 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: Foundations of Mathematics, Grade 10, Applied**

MEL3E1: Mathematics for Work and Everyday Life, Workplace

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. **Prerequisite: Mathematics, Grade 9, De-streamed, or a Ministry-approved Locally Developed Grade 10 Mathematics course**

SCIENCE

SBI3U1: Biology, University Preparation

This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. **Prerequisite: Science, Grade 10, Academic**

SBI3C1: Biology, College Preparation

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

SCH3U1: Chemistry, 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 behavior of gasses. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment. **Prerequisite: Science, Grade 10, Academic**

SVN3E1: Environmental Science, Grade 11, Workplace

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy. **Prerequisite: Science, Grade 9, De-streamed, or a Grade 9 or 10 Locally Developed compulsory credit (LDCC) course in Science**

SVN3M1: Environmental Science, University/College Preparation

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas. **Prerequisite: Grade 10 Science, Applied or Academic**

SPH3U1: Physics, University Preparation

This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment. **Prerequisite: Science, Grade 10, Academic**

SOCIAL SCIENCES AND HUMANITIES

HFC3E: Food and Culture, Workplace* **NEW!*

This course focuses on the flavors, 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.**

HHD3O1: Dynamics of Human Relationships, Open

This course focuses on helping students understand the individual and group factors that contribute to healthy

relationships. Students will examine the connections between their own self-concept and their interpersonal relationships. They will learn and practice strategies for developing and maintaining healthy relationships with friends, family, and community members, as well as with partners in intimate relationships. Students will use research and inquiry skills to investigate topics related to healthy relationships. **Prerequisite: None.**

HNC3C1: Understanding Fashion, College Preparation

This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behavior. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. In addition, students will apply knowledge of fibers, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion. **Prerequisite: None**

HSE3E1: Equity, Diversity and Social Justice, Workplace

This course enables students to develop an understanding of historical and contemporary issues relating to equity, diversity, and social justice in a variety of contexts. Students will explore the nature of diversity and power relations in Canada and how social norms shape individual identity. They will learn about social activism and how to address situations that involve discrimination, harassment, and denial of rights. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity, diversity, or social justice issue. **Prerequisite: None.**

HPC3O1: Raising Healthy Children, Open

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

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

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science, and to become familiar with current thinking on a range of issues within the three disciplines. **Prerequisite: None**

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

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. They will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines. **Prerequisite: None**

TECHNOLOGICAL EDUCATION

TGJ3M1: Communications Technology, Grade 11 University/College Preparation

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues, and will explore college and university programs and career opportunities in the various communications technology fields. **Prerequisite: None**

TCJ3E1: Construction Technology (Household Maintenance), Workplace

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 will explore postsecondary and career opportunities in the field. **Prerequisite: None**

TWJ3E1: Custom Woodworking, Workplace

This course enables students to develop knowledge and skills related to cabinet and furniture design. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and will explore apprenticeships, post-secondary training, and career opportunities. **Prerequisite: None**

TXJ3E1: Hairstyling and Aesthetics, Workplace

This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students will identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and clients. Students will also consider environmental and societal issues related to the industry, and will acquire a more detailed knowledge of apprenticeships and direct-entry work positions. **Prerequisite: None**

TXH3E1: Barbering, Workplace

This course introduces students to a variety of skills related to barbering which gives students the opportunity to experience their skills with a hands-on approach. Students will develop knowledge and understanding of a variety of barbering tools. This course enables students to develop knowledge and skills in barbering and offers a variety of applications that will equip students to provide services for a diverse clientele. Students will identify trends in the barbering industry, learn about the related health and safety laws. Students will also expand their communication and interpersonal skills through interaction with peers and clients. Students will also consider environmental and societal issues related to the industry, and will acquire a more detailed knowledge of apprenticeships and direct-entry work positions. **Prerequisite: None**

TFJ3C1: Hospitality/Tourism, College Preparation

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry. **Prerequisite: None**

TFJ3E1: Hospitality/Tourism, Workplace

This course enables students to acquire knowledge and skills related to the food and beverage services sector of the tourism industry. Students will learn how to prepare, present, and serve food using a variety of tools and equipment, and will develop an understanding of the fundamentals of providing high-quality service to ensure customer satisfaction and the components of running a successful event or activity. Students will develop an awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector. **Prerequisite: None**

TMJ3E1: Manufacturing Technology, Workplace

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. **Prerequisite: None**

TMJ3M1: Manufacturing Engineering Technology, University/College 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. **Prerequisite: None**

TDJ3M1: Technological Design and the Environment, University/College Preparation

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. This course will have an emphasis on robotics and engineering. **Prerequisite: None**

TTJ3O1: Transportation Technology: Vehicle Ownership, Open

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. **Prerequisite: None**

GRADE 12 COURSES

The Grade 12 Program (6 credits)

All students must take the following course:

English (College, University or Workplace)

plus

5 elective courses of their choice from the various grade 12 courses offered by departments or, where appropriate, grade 11 courses.

***Important Notes:** Students who did not earn a compulsory grade 11 credit in a core subject must repeat the course. Students should be aware of the 18 compulsory credits required for their Diploma and ensure that they have earned a **Group 1, Group 2 or Group 3** credit by the end of grade 11.

ARTS

AVI4M1: Visual Arts, University/College Preparation

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

AVI4E1: Visual Arts, Workplace Preparation

This course focuses on a practical approach to a variety of art and design projects related to the workplace. Students will use the creative process to produce a traditional and/or digital portfolio of their work in a variety of media. Students may focus on various aspects of visual arts, including advertising, ceramics, fashion design, graphic arts, jewelry design, and/or web design. **Prerequisite: Visual Arts, Grade 11, University/College Preparation/Open, or Grade 11 Drawing and Painting, Open or Grade 11 Ceramics/Glass Fusion, Open or Grade 11 Photography, Open.**

ADA4M1: Drama, University/College Preparation

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other texts and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school. **Prerequisite: Drama, Grade 11, University/College Preparation**

ATC4M1: Dance, University/College 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: Dance, Grade 11, University/College Preparation**

AMG4M1: Instrumental Music, Guitar, University/College Preparation

This course emphasizes the appreciation, analysis, and performance of various kinds of music, including

baroque and classical, popular, Canadian and non-Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities and analyze and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities. These courses will focus specifically on performance, theory, history, composition and arrangement using the guitar as our primary instrument. **Prerequisite Guitar, Grade 11**

BUSINESS STUDIES

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

Do you see yourself one day being 'The Boss'? Do you want to develop a greater understanding of how to create a high performance team and culture?

Business Leadership & Management is about helping you to better manage people and help guide them towards the goals of an organization. With an emphasis on collaboration, teamwork and social interaction, this course helps you better understand your employees, your abilities to lead them, and how to align you and your workers towards the goals of an organization. Business leadership will also help expose you to the rigors of workplace management and the expectations of a post-secondary business program. If you are looking for a program that can help you better understand yourself and how you can leverage your own skills to get the most out of a workforce, then this is the program for you.

CANADIAN AND WORLD STUDIES

CHY4U1: World History Since the Fifteenth Century, University Preparation

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

CGW4U1: World Issues: A Geographical Analysis, University Preparation

This course looks at the global challenge of creating a more sustainable and equitable world. Students will explore a range of issues involving environmental, economic, social, and geopolitical interrelationships, and will examine governmental policies related to these issues. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate these complex issues, including their impact on natural and human communities around the world. **Prerequisite: Any university or university/college preparation course in Canadian and world studies, English or social sciences and humanities. Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied.**

CGW4C1: World Issues: A Geographical Analysis, College Preparation

This course explores the global challenge of meeting the basic needs of all people while sustaining the natural environment. Students will examine global inequities, including those related to food, water, energy, and development, and will explore global issues through environmental, social, economic, and political lenses. Students will apply the concepts of geographic thinking and the geographic inquiry process including spatial technologies, to investigate a range of current geographic issues facing Canada and the world. **Prerequisite: Canadian Geographic Issues, Grade 9, Common Stream.**

CLN4U1: Canadian and International Law, University Preparation

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, when investigating these and other issues in both Canadian and international contexts. **Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities.**

CIC4E1: Making Personal Economic Choices, Workplace Preparation

Want to learn how to better manage your money? Do you want to learn about investing, budgeting, credit, debt and how to financially plan your future? This course teaches you how to make a number of informed decisions about how to be responsible and proactive with your personal finances. Students will examine practical financial matters, such as personal budgeting, taxes, credit and debt, and savings and investment, as well as various economic issues, such as those related to the underground economy, economic inequality, and consumer behavior. Students will apply the concepts of economic thinking, the economic inquiry process, and economic models to investigate various economic issues and structures and analyze the impact of economic decisions at a personal, community and national level. **Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied**

CPW4U1: Canadian and International Politics, University Preparation* **NEW!*

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

COOPERATIVE EDUCATION ***(2 CREDITS or 4 CREDITS)***

What is Co-op?

Co-operative Education is a valuable learning experience that takes place in the community. Students have the opportunity to “test drive a career” prior to postsecondary school to help them develop a career path. Their co-op experiences help the students to develop essential skills and work habits necessary for success within the context of school and the world of work. Students could be working in almost any type of business or community organization (e.g. vet clinic, elementary school, daycare, retail, restaurant, auto body, auto mechanics, welding, etc.).

A student's experiential learning program is credit bearing and may be timetabled for either half of the school day (2 credits), or the entire day (4 credits). Credits are granted based on in class assignments, employer evaluations, and successful attendance at the work placement. As a result, strong attendance is mandatory. Register for one of the co-op courses listed below. Students are advised to speak with a guidance counsellor or one of the co-op teachers to discuss the suitability of this program.

This course consists of a community-connected experience and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students 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 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**

Why Take Co-op?

Cooperative education provides students with an opportunity to enhance their academic life at Nottawasaga Pines Secondary School and supports student decisions pertaining to choices in post-secondary workplace or

education programs (e.g. apprenticeship, college, university). Students will pursue their interests in an appropriate workplace and develop knowledge, skills and attitudes that are essential in today's working world. In addition, the Ontario Youth Apprenticeship Program (OYAP) provides an opportunity for students interested in pursuing a career in apprenticeable trades to begin their pathway prior to completing secondary school.

Students are required to arrange their own transportation to their work site. Some cooperative education placements may involve costs for medical/immunizations, security checks, safety equipment or special clothing. These costs are the responsibility of the student and the parent/guardian. It should also be understood that placements in some fields of work are very limited and that the first placement choice cannot be guaranteed. Students who are interested in Co-op must complete the following steps prior to beginning the program.

GWL302 – 2 Credit Cooperative Education Program:

The student is at the workplace for a total of 2.5 hours for either the morning or afternoon portion of each school day. The student is enrolled in classes at the school for the other part of the school day.

GLN404 – 4 Credit Cooperative Education Program:

The student is at the workplace for a full school day(5 hours).

ENGLISH

ENG4U1: English, 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 analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace. **Prerequisite: English, Grade 11, University Preparation**

ENG4C1: English, College Preparation

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

ENG4E1: English, Workplace Preparation

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship. **Prerequisite: English, Grade 11, Workplace Preparation**

EWC4U1: The Writer's Craft, University Preparation NEW!

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: English, Grade 11, University Preparation**

EWC4C1: The Writer's Craft, College Preparation NEW!

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: English, Grade 11, College Preparation**

OLC4O1: Ontario Secondary School Literacy Course, Open

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

ENGLISH as a SECOND LANGUAGE

ESL: English as a Second Language 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. They can read and write in their own language within the expected range for students of their age in their own country. They can build on their existing first-language skills when learning English in an ESL program. The five ESL courses are based on levels of proficiency in English. Depending on learners' previous experience with English, students may be placed in ESL Level 1, 2, 3, 4, or 5.

HEALTH AND PHYSICAL EDUCATION

PAF4O1: Personal and Fitness Activities (non-gender specific), Open

This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. This course will focus on activities to promote lifelong physical and mental wellness in a fitness center atmosphere. Students will learn to develop and revise personal fitness plans to suit their own needs, as well as assess and monitor their health related fitness during physical activity. The development of these skills will start students on a path to achieving their personal wellness goals both now and in the future.

PPL4O1: Healthy Active Living Education (non-gender specific), Open

This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives

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

***PLF4M: Athletic Leadership, University/College Preparation* NEW!**

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

PSK4U1: Introductory Kinesiology (formerly Exercise Science), University Preparation

This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sports, and the factors that influence an individual's participation in physical activity. The course prepares students for university programs in physical education, kinesiology, recreation, and sports administration. **Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 open course in health and physical education.**

INTERDISCIPLINARY STUDIES

IDC4U - Creation of the NPSS Yearbook (BLOCKY), University Preparation

This course is designed for those students interested in learning the skills of journalism, communications, and publishing as they pertain to the preparation of the annual school yearbook. Such areas as the elements of a good page design, and photography skills will be studied. Students will explore 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**

***IDC4U/IDC30 and PPZ3C - Aquatics Leadership (BLOCKA), College and University Preparation* NEW!**

Fee for this course \$250

Aquatics leadership course is a two-credit course which trains, certifies and supports student leadership in the aquatic industry. This course is offered in semester two in partnership with the Canadian Forces Base Borden and Township of Essa. Students will earn 2 high school credits, IDC30 or IDC4U and PPZ3C1, certification in Bronze Medallion, Bronze Cross, Emergency First Aid, Standard First Aid, CPR level C, and National Lifeguard Service (NLS) qualifications, as well as on the job training work experience. This program has a limited enrollment and students selecting this option will require a swim test to determine swimming proficiency.

Prerequisite: Students must be in grade 11 or 12 and at least 16 years of age to apply for employment with CFB Borden, however they may take the NLS qualification at the age of 15. This course does have a nominal fee of \$250 to cover the cost of certification and instruction. Note: Students must be 16 on or before the last day of classes of the semester to apply for a lifeguarding position for the summer.

LANGUAGES

FSF4U1: Core French, University Preparation

This course draws on a variety of themes to promote extensive development of French language skills. Students will consolidate their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of correct grammar and appropriate language conventions in both

spoken and written French will be emphasized throughout the course. **Prerequisite: Core French, Grade 11, University Preparation**

MATHEMATICS

MCV4U1: Calculus and Vectors, University Preparation

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the 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 choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.

Note: The Advanced Functions course (MHF4U) must be taken prior to or concurrently with Calculus and Vectors (MCV4U).

MDM4U1: Mathematics of Data Management, University Preparation

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analysing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest. **Prerequisite: Functions, Grade 11, University Preparation, or Functions and Applications, Grade 11, University/College Preparation**

MHF4U1: Advanced Functions, University Preparation

This course extends students' experience with complex functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. **Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation**

MAP4C1: Foundations for College Mathematics, College Preparation

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades. **Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation, or Functions and Applications, Grade 11, University/College Preparation**

MEL4E1: Mathematics for Work and Everyday Life, 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, create household budgets, and prepare a personal income tax return; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and

communicate their thinking. **Prerequisite: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation**

SCIENCE

SBI4U1: Biology, University Preparation

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

SBI4UP: Biology Advanced Placement, University Preparation

This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields. **The Advanced Placement (AP) Biology (SBI4UP) course is an accelerated and advanced level program designed to meet the rigorous requirements of the American College Board examination in May, allowing students to experience university level programming while still in high school. Prerequisite: Biology, Grade 11, University Preparation**

SCH4U1: Chemistry, University Preparation

This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment. **Prerequisite: Chemistry, Grade 11, University Preparation**

SCH4C1: Chemistry, College Preparation

****This course is offered every other year****

Next offered in 2024-25

This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment. **Prerequisite: Science, Grade 10, Academic or Applied**

SPH4U1: Physics, University Preparation

This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data related to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment. **Prerequisite: Physics, Grade 11, University Preparation**

SPH4C1: Physics, College Preparation

****This course is offered every other year****

Next offered in 2023-24

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment. **Prerequisite: Grade 10 Science, Academic or Applied**

SES4U1: Earth and Space Science, University Preparation

This course develops students' understanding of Earth and its place in the universe. Students will investigate the properties of and forces in the universe and solar system and analyse techniques scientists use to generate knowledge about them. Students will closely examine the materials of Earth, its internal and surficial processes, and its geological history, and will learn how Earth's systems interact and how they have changed over time. Throughout the course, students will learn how these forces, processes, and materials affect their daily lives. The course draws on biology, chemistry, physics, and mathematics in its consideration of geological and astronomical processes that can be observed directly or inferred from other evidence.

Prerequisite: Science, Grade 10, Academic

SOCIAL SCIENCES AND HUMANITIES

HNB4M1: The World of Fashion, 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 fibre 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 university/college preparation course in social sciences and humanities, English, or Canadian and world studies.**

HHS4C1: Families in Canada, College Preparation

This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada.

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

HHS4U1: Families in Canada, University Preparation

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships. **Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies**

HFA4U1: Nutrition and Health, 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 university/college preparation course in social sciences and humanities, English, or Canadian and world studies**

HPD4C1: Working With School Aged Children and Adolescence, College Preparation

This course prepares students for occupations involving school-age children and adolescents. Students will study a variety of theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with older children. Students will become familiar with occupational opportunities and requirements related to working with older children and adolescents. They will develop research skills used in investigating child and adolescent behaviour and development. **Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.**

HSB4U1: Challenge and Change in Society, 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 behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change. **Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.**

TECHNOLOGICAL EDUCATION

TGJ4M1: Communications Technology, University/College Preparation

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

TMJ4E1: Manufacturing Technology, 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 tools and equipment as they design and fabricate solutions to a variety of technological challenges in manufacturing. Students may also 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. **Prerequisite: Manufacturing Technology, Grade 11, Workplace Preparation**

TMJ4M1: Manufacturing Engineering Technology, 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: Manufacturing Engineering Technology, Grade 11, University/College Preparation**

TCJ4E1: Construction Technology, 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 will explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation.

Prerequisite: Construction Technology, Grade 11, Workplace

TWJ4E1: Custom Woodworking, Workplace Preparation

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

Prerequisite: Custom Woodworking, Grade 11, Workplace Preparation

TXJ4E1: Hairstyling and Aesthetics, Workplace Preparation

This course enables students to develop increased proficiency in a wide range of hairstyling and aesthetics services. Working in a salon/spa team environment, students will strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students will also expand their understanding of environmental and societal issues and their knowledge of postsecondary destinations in the hairstyling and aesthetics industry. **Prerequisite: Hairstyling and Aesthetics, Grade 11, Workplace Preparation**

TXH4E1: Barbering, Workplace Preparation* **NEW!*

This course enables students to further develop their skills related to barbering which gives students the opportunity to explore their skills with a hands-on approach. This course enables students to further explore their knowledge and understanding of a variety of implements, tools and equipment. Students will learn a variety of mens haircuts, full facial shaves and beard trimming. Working in a salon/spa environment, students will strengthen their fundamental barbering skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students will expand their understanding of environmental and societal issues and their knowledge of post-secondary destinations in the barbering industry. **Prerequisite: Barbering, Grade 11, Workplace Preparation**

TFJ4C1: Hospitality and Tourism, College Preparation

This course enables students to further develop knowledge and skills related to the various sectors of the tourism industry. Students will demonstrate advanced food preparation and presentation skills; increase health and wellness knowledge; develop tourism administration and management skills; design and implement a variety of events or activities; and investigate principles and procedures that contribute to high-quality customer service. Students will expand their awareness of health and safety issues, environmental and societal issues, and career opportunities in the tourism industry. **Prerequisite: Hospitality and Tourism, Grade 11, College Preparation**

TFJ4E1: Hospitality and Tourism, Workplace Preparation

This course enables students to further develop knowledge and skills related to the food and beverage services sector of the tourism industry. Students will demonstrate proficiency in using food preparation and presentation tools and equipment; plan nutritious menus, create recipes, and prepare and present finished food products; develop customer service skills; and explore event and activity planning. Students will expand their awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector. **Prerequisite: Hospitality and Tourism, Grade 11, Workplace Preparation**

TDJ4M1: Technological Design, University/College Preparation

This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem-solving and communication skills, and will explore career opportunities and the postsecondary education and training requirements for them. This course will have an emphasis on robotics and engineering.

Prerequisite: Technological Design, Grade 11, University/College Preparation

TTJ4E1: Transportation Technology: Vehicle Maintenance, Workplace Preparation

This course introduces students to the servicing, repair, and maintenance of vehicles through practical applications. The course is appropriate for all students as a general interest course to prepare them for future vehicle operation, care, and maintenance or for entry into an apprenticeship in the motive power trades. Students will develop an awareness of environmental and societal issues related to transportation, and will learn about careers in the transportation industry and the skills and training required for them. **Prerequisite: None**

EDUCATIONAL PLAN
 “Begin with the end in mind”

Grade 9 Year 1 8 credits	Grade 10 Year 2 8 credits	Grade 11 Year 3 8 credits	Grade 12 Year 4 6 credits	Year 5
Choose Locally Developed, Applied, Academic or Open Courses	Choose Locally Developed, Applied, Academic or Open Courses	Choose Workplace, College, University/College, University or Open Courses	Choose Workplace, College, University/College, University or Open Courses	If needed, complete required courses for graduation.
1. English	1. English	1. English	1. English	
2. Math	2. Math	2. Math	2.	
3. Science	3. Science	3. Group 1 (any grade)	3.	
4. Geography	4. History	4. Group 2 (any grade)	4.	
5. French	5. Civics & Careers	5. Group 3 (any grade)	5.	
6. Health & Physical Ed. (in any grade)	6.	6.	6.	
7. Arts (in any grade)	7.	7.		
8. Optional Course	8.	8.		30 credits needed for an OSS Diploma

The 18 compulsory course requirements are in the grey shaded areas.

The 12 optional credit requirements are in white.

Within these choices, students must have one more credit from each of the following 3 groups:

- **Group 1**– 1 additional credit in English, or French as a second language or a Native language or a classical or an international language or social sciences and humanities or Canadian and world studies or guidance and career education or cooperative education.
- **Group 2**– 1 additional credit in health and physical education or the arts, or business studies, or cooperative education.
- **Group 3**– 1 additional credit in science (grade 11 or 12), or technological education, or computer studies cooperative education

***A maximum of 2 of the 3 additional compulsory credit requirements for groups 1, 2 and 3 may be met with credits earned through Cooperative Education.**

You will also need...

- **40 hours** of community service
- pass the **Literacy Test** or complete the **OLC** credit course.