



# NOTTAWASAGA PINES SECONDARY SCHOOL

8505 County Rd. 10,  
Angus, ON  
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Tel: 705-424-5030  
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## Website

<http://nps.scdsb.on.ca/>

## Principal

Kelly Lalonde

## Vice-Principals

Ashley Hillier  
Brent Millsap

## Family of Schools

Angus Morrison  
Baxter Central  
New Lowell  
Pine River  
Portage View  
Tosorontio

## Superintendent

Michael Giffen

## Student Population

742

## School Colours

Red, Black, White

## Sports Team

Timberwolves



## Course Calendar

### About Us

Nottawasaga Pines is a thriving and welcoming school with a wide variety of courses and co-curricular activities for students. Our partnership with the community is strong and we are fortunate to share space with the Essa Public Library. The mission of NPSS is to provide all students with effective, engaging and relevant learning experiences and supports in a safe and healthy environment. NPSS is a fully accessible school, designed to serve all students in an inclusive environment.

### Program Highlights

Nottawasaga Pines Secondary School offers a variety of courses for students' interests and future career paths. University, college, workplace and apprenticeship pathways are represented in our programs. We also offer a specialist high skills major (SHSM) in Health and Wellness.

### Course selection Information – Timelines and Due Dates:

- Grade 8 Open House is February 17th, 2021 from 6:30-8 pm
- The deadline for all course selections is Friday March 5th, 2021.

### Board Mission

The Simcoe County District School Board (SCDSB) mission is to inspire and empower learning for life, and our vision is a community of learners achieving full potential. We believe in the importance and value of regular and ongoing planning in collaboration with parents, students and staff to ensure that every learner reaches his or her full potential to become a responsible and contributing member of our ever-changing global society. The SCDSB's public website, Secondary page provides parents and students with detailed, accurate and up-to-date information about diploma requirements, as well as general information on school programs and courses offered. Additionally, the website provides information on county wide programs, Specialist High Skills Majors, school-based supports and Student Success initiatives.

To access the page, follow this link: <https://www.scdsb.on.ca/secondary>



# NOTTAWASAGA PINES SS - CONDENSED CALENDAR

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>ARTS</b>				
Drama	<a href="#">ADA1O</a>	<a href="#">ADA2O</a>		
Drama (Univ./College)			<a href="#">ADA3M</a>	<a href="#">ADA4M</a>
Dance	<a href="#">ATC1O</a>	<a href="#">ATC2O</a>		
Dance (Univ./College)			<a href="#">ATC3M</a>	<a href="#">ATC4M</a>
Music – Instrumental	<a href="#">AMI1O</a>	<a href="#">AMI2O</a>		
Music – Instrumental (Univ./College)			<a href="#">AMI3M</a>	<a href="#">AMI4M</a>
Music – Guitar		<a href="#">AMG2O</a>	<a href="#">AMG3M</a> <a href="#">AMG3O</a>	<a href="#">AMG4M</a>
Photography - (Open)			<a href="#">AWQ3O</a>	
Visual Arts	<a href="#">AVI1O</a>	<a href="#">AVI2O</a>	<a href="#">AVI3O</a>	<a href="#">AVI4E</a>
Visual Arts (Univ./College)			<a href="#">AVI3M</a>	<a href="#">AVI4M</a>
Urban Arts and Social Change		<a href="#">AWT2O</a>		
Ceramics and Glass Fusion			<a href="#">AWC3M</a>	
Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>BUSINESS</b>				
Information and Communication Technology	<a href="#">BTT1O</a>	<a href="#">BTT2O</a>		
<small>*Offered every other year (offered in 2022-23)</small>				
Introduction to Business <small>*Offered every other year (offered in 2021-22)</small>	<a href="#">BBI1O1</a>	<a href="#">BBI2O</a>		
Financial Accounting Fundamentals (University/College)			<a href="#">BAF3M</a>	
Business Leadership: Management Fundamentals (Univ./College)				<a href="#">BOH4M</a>
Entrepreneurial Studies: Venture Planning (College)			<a href="#">BDI3C</a>	

\*A letter of intent acknowledging that delivery and student expectations for e-learning courses is different than face-to-face courses must be completed by each student. Students can access the letter of intent for completion from the guidance/student services office.

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>CANADIAN &amp; WORLD STUDIES</b>				
Issues in Canadian Geography (Academic)	<a href="#">CGC1D</a>			
Issues in Canadian Geography (Applied)	<a href="#">CGC1P</a>			
Issues in Canadian Geography (Accommodated)	<a href="#">CGC1PB</a>			
Travel and Tourism: A Geographic Perspective			<a href="#">CGG3O</a>	
Canadian History since World War I (Academic)		<a href="#">CHC2D</a>		
Canadian History since World War I (Applied)		<a href="#">CHC2P</a>		
Canadian History since World War I (Locally developed)		<a href="#">CHC2L</a>		
Civics and Citizenship (half credit taken with a half Careers)		<a href="#">CHV2OH</a>		
American History (University)			<a href="#">CHA3U</a>	
World History to End of the Fifteenth Century (Univ/College)			<a href="#">CHW3M</a>	
World Issues: A Geographic Analysis (University)				<a href="#">CGW4U</a>

World Issues: A Geographic Analysis (College)				<a href="#">CGW4C</a>
Understanding Canadian Law (Univ/College)			<a href="#">CLU3M</a>	
Canadian and University Law (University)				<a href="#">CLN4U</a>
World History Since the Fifteenth Century (University)				<a href="#">CHY4U</a>

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Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>CO-OPERATIVE EDUCATION</b>				
Designing Your Future (2 credits)			<a href="#">GWL3O2</a>	
Designing Your Future (4 credits)				<a href="#">GLN4O4</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>ENGLISH</b>				
English (Academic )	<a href="#">ENG1D</a>	<a href="#">ENG2D</a>		
English (Applied)	<a href="#">ENG1P</a>	<a href="#">ENG2P</a>		
English (Locally Developed)	<a href="#">ENG1L</a>	<a href="#">ENG2L</a>		
English (College)			<a href="#">NBE3C</a>	<a href="#">ENG4C</a>
English (University)			<a href="#">NBE3U1</a>	<a href="#">ENG4U</a>
English (Workplace)			<a href="#">NBE3E</a>	<a href="#">ENG4E</a>
Ontario Literacy Course				<a href="#">OLC4O</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>ENGLISH AS A SECOND LANGUAGE and LITERACY DEVELOPMENT</b>				
English as a Second Language	<a href="#">ESLA1O</a>	<a href="#">ESLA1O</a>	<a href="#">ESLA1O</a>	<a href="#">ESLA1O</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>FIRST NATIONS, MÉTIS and INUIT STUDIES</b>				
World Views and Aspirations of First Nations, Métis, and Inuit Communities in Canada (College)			<a href="#">NBV3C</a>	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>FRENCH AND INTERNATIONAL LANGUAGES</b>				
Core French (Academic)	<a href="#">FSF1D</a>	<a href="#">FSF2D</a>	<a href="#">FSF3U</a>	<a href="#">FSF4U</a>
Core French (Applied)	<a href="#">FSF1P</a>	<a href="#">FSF2P</a>		
French (Open) *Offered every other year (offered in 2021-22)	<a href="#">FSF1O</a>			

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>GUIDANCE &amp; CAREER EDUCATION &amp; SPECIAL EDUCATION</b>				
Career Studies (half credit taken with a half Civics and Citizenship)		<a href="#">GLC2OH</a>		
Peer Support/Leadership			<a href="#">GPP3O</a>	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>HEALTH AND PHYSICAL EDUCATION</b>				

Health Active Living Education (Co-Ed unless indicated F=female or M=male)	<a href="#">PPL1OF</a> <a href="#">PPL1OM</a>	<a href="#">PPL2O1</a>	<a href="#">PPL3O</a>	<a href="#">PPL4O</a>
Personal and Physical Activities (Co-Ed unless indicated F,)		<a href="#">PAF2OM</a> <a href="#">PAF2OF</a>	<a href="#">PAF3O</a> <a href="#">PAF3OF</a>	<a href="#">PAF4O</a> <a href="#">PAF4OF</a>
Introductory Kinesiology (University)				<a href="#">PSK4U</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>INTERDISCIPLINARY STUDIES</b>				
Student Leadership			<a href="#">BLOCKL</a>	<a href="#">BLOCKL</a>
TREC (Timberwolf Recreation and Environment Course) (2 credits) <b>*Offered every other year (offered in 2021-22)</b>			<a href="#">BLOCK2T</a>	
Yearbook		<a href="#">BLOCKY</a>	<a href="#">BLOCKY</a>	<a href="#">BLOCKY</a>

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

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Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>SCIENCE</b>				
Science (Academic)	<a href="#">SNC1D</a>	<a href="#">SNC2D</a>		
Science (Applied)	<a href="#">SNC1P</a>	<a href="#">SNC2P</a>		
Science (Locally Developed or Workplace)	<a href="#">SNC1L</a>	<a href="#">SNC2L</a>		
Biology (College)			<a href="#">SBI3C</a>	
Biology (University)			<a href="#">SBI3U</a>	<a href="#">SBI4U</a>
Biology Advanced Placement (University)				<a href="#">SBI4UP</a>
Chemistry (College)* <b>offered every other year (offered in 2022-23)</b>				<a href="#">SCH4C</a>
Chemistry (University)			<a href="#">SCH3U</a>	<a href="#">SCH4U</a>
Environmental Science (Workplace)			<a href="#">SVN3E</a>	
Environmental Science (Univ./College)			<a href="#">SVN3M</a>	
Earth and Space Science (University)				<a href="#">SES4U</a>
Physics (College)* <b>offered every other year (offered in 2021-22)</b>				<a href="#">SPH4C</a>
Physics (University)			<a href="#">SPH3U</a>	<a href="#">SPH4U</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
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SOCIAL SCIENCE AND THE HUMANITIES				
Food and Nutrition		<a href="#">HFN2O</a>		
Challenge and Change in Society (University)				<a href="#">HSB4U</a>
Clothing		<a href="#">HNL2O1</a>		
Exploring Family Studies (Open)	<a href="#">HIF1O1</a>			
Introduction to Anthropology (College) Introduction to Anthropology (University)			<a href="#">HSP3C</a> <a href="#">HSP3U</a>	
Raising Healthy Children			<a href="#">HPC3O</a>	
Families in Canada (College) Families in Canada (University)				<a href="#">HHS4C</a> <a href="#">HHS4U</a>
Working with School-Age Children and Adolescents (College)				<a href="#">HPD4C</a>
Understanding Fashion (College)			<a href="#">HNC3C</a>	
Dynamic of Human Relationships (Open) Nutrition and Health (University)			<a href="#">HHD3O</a>	<a href="#">HFA4U</a>

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Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>TECHNOLOGICAL EDUCATION</b>				
Communications Technology (Univ./College)	<a href="#">TGJ1O</a>	<a href="#">TGJ2O</a>	<a href="#">TGJ3M</a>	<a href="#">TGJ4M</a>
Construction Technology	<a href="#">TCJ1O</a>	<a href="#">TCJ2O</a>	<a href="#">TCJ3E</a>	<a href="#">TCJ4E</a>
Custom Woodworking			<a href="#">TWJ3E</a>	<a href="#">TWJ4E</a>
Hairstyling and Aesthetics	<a href="#">TXJ1O</a>	<a href="#">TXJ2O</a>	<a href="#">TXJ3E</a>	<a href="#">TXJ4E</a>
Hospitality and Tourism	<a href="#">TFJ1O</a>	<a href="#">TFJ2O</a>	<a href="#">TFJ3E</a>	<a href="#">TFJ4E</a>
Manufacturing Technology		<a href="#">TMJ2O</a>	<a href="#">TMJ3E</a>	<a href="#">TMJ4E</a>
Technological Design (Univ./College) Technological Design (Open)			<a href="#">TDJ3M</a>	<a href="#">TDJ4M</a>
Transportation Technology		<a href="#">TDJ2O</a>		
Transportation Technology: Vehicle Ownership		<a href="#">TTJ2O</a>	<a href="#">TTJ3O</a>	<a href="#">TTJ4E</a>
Exploring Technologies (Open) – automotive and manufacturing	<a href="#">TIJ1O</a>			

## **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 eLearning, students must:**

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

### **Things to remember when taking an eLearning course:**

- Students with online courses will have a “Study Period” with no direct supervision at NPSS. It is expected that they work in the Career Centre, Guidance, the library or at home
- Attendance is taken on-line and is based on submitting assignments and logging into the website daily
- A student will be marked absent if they do not complete the required activities in a given week
- Students will be removed from courses for non-attendance
- Teachers will connect with students through email and online discussions
- It is the student’s responsibility to provide NPSS with a copy of final report card so the mark can be added to the transcript
- All correspondence will be sent to the student’s SCDSB email. It is the student’s responsibility to check this regularly

**If a student is interested in taking an online course, they need to visit the Guidance Office to register. For a list of course offerings, 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”.

## SCDSB eLearning

Departments and Course Titles		Grade 9	Grade 10	Grade 11	Grade 12
<b>ARTS</b>	Visual Arts – Digital Media (open)			AWS3OV	
<b>BUSINESS</b>	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	
	Entrepreneurship: The Enterprising Person (Open)			BDP3OV	
<b>CANADIAN AND WORLD STUDIES</b>	Analysing Current Economic Issues (University)				CIA4UV
	Canadian and International Law (University)				CLN4UV
	World Issues: A Geographic Analysis (College)				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)		CIVCAV		
	Classic Civilizations (University)				LVV4UV
<b>COMPUTER SCIENCE</b>	Computer Science (University)				ICS4UV
	Introduction to Computer Science (University)			ICS3UV	
	Introduction to Computer Programming (College)			ICS3CV	
<b>ENGLISH</b>	English (University)				ENG4UV
	Writer's Craft (University)				EWC4UV
	Writer's Craft (College)				EWC4CV
	English: Contemporary First Nations, Metis and Inuit Voices (University)			NBE3UV	
	English (University)			ENG3UV	
	Presenting and Speaking Skills (Open)			EPS3OV	
	English: Contemporary First Nations, Metis and Inuit Voices (College)			NBE3CV	
	English (College)			ENG3CV	
	Media Studies (Open)			EMS3OV	
<b>FRENCH</b>	Core French (University)				FSF4UV
	Core French (University)			FSF3UV	
	Extended French (University)				FEF4UV
	Extended French (University)			FEF3UV	
<b>MATH</b>	Data Management (University)				MDM4UV

SCDSB eLearning					
Departments and Course Titles		Grade 9	Grade 10	Grade 11	Grade 12
	Mathematics for College Technology (College)				MCT4CV
	Mathematics for Work and Everyday Life (Workplace)				MEL4EV
<b>HEALTH AND PHYSICAL EDUCATION</b>	Kinesiology (University)				PSK4UV
	Health For Life (College)			PPZ3CV	
	Physics (College)				SPH4CV
	Science (Univ./College)				SNC4MV
	Science (Workplace)				SNC4EV
	Biology (University)			SBI3UV	
	Environmental Science (Workplace)			SVN3EV	
	Chemistry (University)			SCH3UV	SCH4UV
<b>SOCIAL STUDIES</b>	Philosophy: Questions & Theories (University)				HZT4UV
	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	
	Gender Studies (Univ./College)			HSG3MV	
	Introduction to Anthropology, Psychology and Sociology (University)			HSP3UV	

## Summer School Courses 2021

*To register in any of the following summer school courses, students must make an appointment to meet with a Guidance Counsellor.*

For up-to-date information about Summer School please go to:

[www.thelearningcentres.com/high-school-student/summer-school](http://www.thelearningcentres.com/high-school-student/summer-school)

Summer School Courses		Grade 9	Grade 10	Grade 11	Grade 12
<b>July elearning</b>	Applied to Academic Math Transfer (0.5 cr) Foundations for College Mathematics (College)	MPM1H		MBF3C	MAP4C
	Functions (University.) Advanced Functions (University) Data Management (University)			MCR3U	MHF4U MDM4U



	Literacy Course (Grade 11 or 12) English (Workplace) English (College) English (University)			OLC30 ENG3E ENG3C ENG3U	OLC40 ENG4E ENG4C ENG4U
	Biology (College) Biology (University) Chemistry (College) Chemistry (University) Physics (College) Physics (University)			SBI3C SBI3U  SCH3U  SPH3U	SBI4U SCH4C SCH4U SPH4C
	Civics (.5cr) Career Studies (.5cr) Analysing Current Economic Issues (Univ.) Equity and Social Justice (Univ./College) World Cultures (Univ./College) Gender Studies (Univ./College)		CHV2O GLC2O	     HSG3M	CIA4U  HSE4M  HSC4M
<b>August eLearning</b>	English (applied) English (academic) English (college) English (university)  Mathematics (academic) Advanced Functions (university) Chemistry (university) Chemistry (college) History (applied) History (academic)	ENG1P ENG1D	ENG2P ENG2D  MPM2D  CHC2P CHC2D	ENG3U	ENG4C ENG4U  MHF4U  SCH4C

	Civics (.5cr) Career Studies (.5cr) Navigating the Workplace (open)		CHV20 GLC20		GLN40
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## Night School 2021-22

*To register in any of the following night school courses, students must make an appointment to meet with a Guidance Counsellor.* To view up-to-date information about Night School please visit: [www.thelearningcentres.com/adult-student/night-school](http://www.thelearningcentres.com/adult-student/night-school)

### Specialist High Skills Major: Health and Wellness

Are you interested in pursuing a career in policing, firefighting, nursing, medicine, teaching, early childhood education, health care, psychology, social work, food and nutrition, personal training, or sports medicine? These are just some of the careers that students in the SHSM program are focused on. The opportunities in the field of health and wellness are endless!

Receive FREE training in First Aid and CPR, Mental Health First Aid, Infectious Control, WHMIS, Leadership, Group Dynamics, Communication and Stress Management. Challenge your personal fitness through activities such as Treetop Trekking, partner with local agencies such as SEASONS Center for Grieving Children, the Ontario Early Years Center and the Canadian Mental Health Association, and participate in field trips throughout Ontario such as the University of Waterloo Kin Days and Beyond the Cuckoo's Nest Workshop at the Center for Mental Health and Addictions. Test drive one of these careers by completing a co-op either during the school year or summer. Have the opportunity to take on a leadership role at the school by planning and organizing various guest speakers, activities, events and initiatives related to wellbeing.

Maybe you're not sure what you're interested in yet...come out and see if this is the right fit for you!

A Specialist High Skills Major (SHSM) is a specialized program approved by the Ministry of Education that provides students with courses and activities that focus on a specific work related sector. A Specialist High Skills Major enables students to customize their high school experience to suit their interests and talents and prepare for a successful postsecondary transition to apprenticeship training,

college, university or employment while meeting the requirements of the Ontario Secondary School Diploma (OSSD). The major enables students to gain the sector-identified preparatory credits, skills and knowledge, and make informed career decisions.

Each Specialist High Skills Major (SHSM) includes major courses, elective courses, specialized training, and reach-ahead and experiential activities. This makes the learning environment more engaging for students, focuses them on graduation and prepares them to pursue their career goals.

The following SHSM program is offered at Nottawasaga Pines Secondary School: Health and Wellness.

For information on other SHSM programs in Simcoe County, please visit [www.myshsm.ca](http://www.myshsm.ca)

Course Titles		Grade 11		Grade 12	
<b>SHSM HEALTH &amp; WELLNESS</b>					
<b>Major Credits</b> ● 4 Required ● At least 1 from each Grade level	Guidance & Career Education	GPP3O			
	Health & Physical Education	PAF3O PAL3O	PPL3OF PPL3OM	PAF4O PPL4O	PPL4OM PSK4U
	Interdisciplinary Studies	IDC3O		IDC4U	
	Science	SBI3U		SBI4U	
	Social Science & Humanities	HPC3O	HSP3C HSP3U	HHS4C HHS4U HIP4O	HPD4C HSB4U
	Technological Education	TFJ3E	TXJ3E	TFJ4E	TXJ4E
<b>English</b> ● 2 Required ● 1 CLA Required	English	ENG3C ENG3E	ENG3U NBE3U1	ENG4C ENG4E	ENG4U
<b>Mathematics</b> ● 1 Required ● CLA Required	Mathematics	MBF3C MCR3U	MCF3M MEL3E	MAP4C MEL4E	MHF4U MCV4U MDM4U
<b>Other</b> ● 1 Required ● CLA Required	First Nations, Metis, Inuit Studies	NBV3C	NBV3E		
	Science	SBI3C SCH3U SPH3U	SVN3E SVN3M	SCH4C SCH4U	SPH4C SPH4U
	Social Science & Humanities	HHD3O		HFA4U	
<b>Co-op</b> ● 2 Credits Required	Cooperative Education ● Placement related to SHSM program	GWL3O2 (2 credit) GWL3O4 (4 credit)		GLN4O2 (2 credit) GLN4O4 (4 credit)	

# GRADE 9 COURSES

## The Grade 9 Program (8 credits)

All students must take the following 5 courses:

**English** (Supported Foundations, Locally Developed, Applied or Academic)

**Mathematics** (Locally Developed or Open)

**Science** (Locally Developed, Applied or Academic)

**Geography** (Applied, Academic or Applied Modified)

**French** (Locally Developed, Applied or Academic)

plus

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

**\*Important Notes** – Students should carefully choose course types (Locally Developed, Open, Applied or Academic) after consideration with their parents/guardians and grade 8 teacher.

## ARTS

### ***ATC101: Dance, Open***

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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.

### ***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.

### ***AMI101: Music Instrumental, Open***

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

### ***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**

### ***BTT1O1: Information and Communication Technology in Business, Grade 9, Open***

Want to develop your computer skills using a variety of software programs? This is the course for you as you prepare to be an effective and valuable employee using technology in the workplace.

This course introduces students to information and communication technology in a business environment as they build a foundation of digital literacy skills that are necessary for success in today's society. Students will become more proficient using word processing, spreadsheet, desktop publishing and presentation design software. Throughout the course, there is an emphasis on digital literacy, electronic research, as well as examining current issues related to the impact of information technology.

### ***BB1O1: Introduction to Business, Grade 9, Open***

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

## **CANADIAN AND WORLD STUDIES**

### ***CGC1D1: Issues in Canadian Geography, Academic***

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This course explores Canada's distinct and changing character and the geographic systems and relationships that shape it. Students will investigate the interactions of natural and human systems within Canada, as well as Canada's economic, cultural, and environmental connections to other countries. Students will use a variety of geotechnologies and inquiry and communication methods to analyze and evaluate geographic issues and present their findings.

### ***CGC1P1: Geography of Canada, Applied***

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.

### ***CGC1PB: 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**

### ***ENG1D1: English, Academic***

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

### ***ENG1P1: English, Applied***

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This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.

### ***ENG1LL: English, Locally Developed***

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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***

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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.

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## **HEALTH AND PHYSICAL EDUCATION**

### ***PPL10F: (Female) Healthy Active Living Education, Open***

### ***PPL10M: (Male) Healthy Active Living Education, Open***

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

## **LANGUAGES**

### ***FSF1D1: Core French, Academic***

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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**

***FSF1P1: Core French, Grade 9, Applied***

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This course provides opportunities for students to communicate and interact in French in structured situations, with a focus on everyday topics, and to apply their knowledge of French in everyday situations. Students will develop listening, speaking, reading, and writing skills introduced in the elementary Core French program, through practical applications and concrete examples, and will use 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***

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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, Grade 9***

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

### ***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 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

### ***SNC1D1: Science, Academic***

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

### ***SNC1P1: Science, Applied***

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

### ***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

### ***HIF1O1: Exploring Family Studies, Open***

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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**

### ***TGJ101: Exploring Communications Technology, Open***

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This exploratory course introduces students to concepts and skills in communications technology, which encompasses television/video and movie production, radio and audio production, print and graphic communications, photography and animation. 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.

### ***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 concepts and skills related to hairstyling and aesthetics, including hair, nail, 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 the field.

### ***TFJ101: Hospitality/Tourism, Open***

This 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, event planning, and local tourism. 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.

### ***TIJ101: Exploring Technologies, Open: Automotive and Manufacturing***

**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 maintenance, servicing, and repair of various types of vehicles, aircraft, and/or watercraft. 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.

# GRADE 10 COURSES

## The Grade 10 Program (8 credits)

All Students must take the following 5 courses:

**English** (Locally Developed, Applied or Academic)

**Mathematics** (Locally Developed, Applied or Academic)

**Science** (Locally Developed, Applied or Academic)

**History** (Locally Developed, Applied or Academic)

**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

### ***ATC201: Dance, Open***

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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.

### ***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.

### ***AMI201: Instrumental Music, Open***

This course emphasizes instrumental performance of music at an intermediate level that strikes a balance between challenge and skill. Students will continue the study of music begun previously. Student learning will include participating in creative activities and listening perceptively. Student will also be required to develop a thorough understanding of the language of music, including the elements, terminology, technology and history. All students are encouraged to participate in a performing group.

**Note: Grade 9 Instrumental Music recommended**

### ***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.

### ***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: Urban Arts and Social Change, 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***

### ***BTT201: Information and Communication Technology in Business, Grade 10, Open***

Want to develop your computer skills using a variety of software programs? This is the course for you as you prepare to be an effective and valuable employee using technology in the workplace.

This course introduces students to information and communication technology in a business environment as they build a foundation of digital literacy skills that are necessary for success in today’s society. Students will become more proficient using word processing, spreadsheet, desktop publishing and presentation design software. Throughout the course, there is an emphasis on digital literacy, electronic research, as well as examining current issues related to the impact of information technology. **Prerequisite: None**

### ***BBI201: Introduction to Business, Grade 10, Open***

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

**Prerequisite: None**

## ***CANADIAN AND WORLD STUDIES***

### ***CHC2D1: Canadian History since World War I, Academic***

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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 CIVCA1 (Guidance and Career Education).**

## **ENGLISH**

### **ENG2D1: English, Academic**

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

### **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, Academic or Applied**

### **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**

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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**

### **GLC2OH: 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 CIVCA1 (Guidance and Career Education).**

## **HEALTH AND PHYSICAL EDUCATION**

### ***PPL2O1: Healthy Active Living Education, Open (Co-Ed)***

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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.

### ***PAF2OM: Personal and Fitness Activities, Open (Males)***

### ***PAF2OF: Personal and Fitness Activities, Open (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, Academic or Applied**

### ***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, Academic or Applied**

# MATHEMATICS

## ***MPM2D1: Principles of Mathematics, Academic***

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

## ***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, Academic or Applied**

## ***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***

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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, Academic or Applied**

## ***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, Academic or Applied**

## ***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 Science OR SNC1P or SNC1D *Note:* This course is counted as an optional, not a compulsory credit.

## **SOCIAL SCIENCE AND HUMANITIES**

### ***HNL201: Clothing, Open***

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This course introduces students to the world of clothing. Students will gain knowledge about clothing and demonstrate basic skills associated with various techniques and technologies used to create garments and accessories. Students will learn about the functions of clothing and accessories and what clothing communicates about the wearer. They will learn how to enhance their personal wardrobe by assessing garment quality, developing shopping strategies, and developing an understanding of the advantages and disadvantages of various retail formats. Students will develop research skills as they investigate topics related to clothing. **Prerequisite: None**

### ***HFN201: Food and Nutrition, Open***

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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.

## **TECHNOLOGICAL EDUCATION**

### ***TGJ201: Communications Technology, Open***

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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.

### ***TCJ201: 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.

***TDJ2O1: 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

***TTJ2O1: Transportation Technology, Open***

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

***TMJ2O1: Manufacturing Technology, Open***

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This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or injection 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. **Prerequisite: None**

# GRADE 11 COURSES

## **The Grade 11 Program (8 credits)**

All students must take the following **2 courses**:

**English** (Workplace, College or University)

**Mathematics** (Workplace, College or University)

**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

## ***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, Open**

## ***ADA3M1: Dramatic Arts, University/College***

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

## ***AMI3M1: Instrumental Music, University /College***

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This course emphasizes the appreciation, analysis, and performance of various kinds of music, including popular music, and Canadian, non-western music and baroque and classical music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyze and evaluate live and recorded performances. Students will continue to increase their understanding of the elements of music while developing their instrumental technique and their imaginative abilities. All students are encouraged to participate in a performing group. **Prerequisite: Grade 9 or Grade 10 Instrumental Music, Open**

## ***AMG3O1: Instrumental 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: Instrumental Music, Guitar, University/College***

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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 10**

## ***AVI3O1: Visual Arts – Comprehensive, Open***

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

**Prerequisite: Visual Arts, Grade 9 or 10, Open**

## ***AVI3M1: Visual Arts, University/College***

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

others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g., photography, video, computer graphics, information design).

**Prerequisite: Visual Arts, Grade 9 or 10, Open**

### **AWC3M1: Ceramics/Glass Fusion Course**

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**

### **AWQ301: 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***

### ***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.

### ***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 preparing financial statements. Ethics, current issues and career opportunities will also be studied.

## ***CANADIAN AND WORLD STUDIES***

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

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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, Academic or Applied**

### ***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 End of the Fifteenth Century, University/College***

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**

### ***CLU3M1: Understanding Canadian Law, University/College***

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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***

### **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.

Complete and submit a co-op application/questionnaire, which is available in the Guidance/Co-op office and the NPSS website.

Obtain parent/guardian approval, if under 18 years of age, before admission to the program is finalized.

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

### **Cooperative Education Linked to a Related Course (or Courses)<sup>1</sup>**

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

**Prerequisite:** None

## **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.

#### ***GWL 302 – 2 Credit Cooperative Education Program:***

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

#### ***GLN 404 – 4 Credit Cooperative Education Program:***

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

## **ENGLISH**

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

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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**

### ***NBE3U1: English: Understanding First Nations, Métis, and Inuit Voices, Grade 11, University***

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

**Prerequisite: English, Grade 10, Academic**

### ***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**

## ***ENGLISH as a SECOND LANGUAGE***

### ***ESL: English as a Second Language Courses***

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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***

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

**Prerequisite: None**

## HEALTH AND PHYSICAL EDUCATION

**PAF30F: Personal and Fitness Activities, Open, Females**

**PAF301: Personal and Fitness Activities, Open**

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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, 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.

## INTERDISCIPLINARY STUDIES

**IDC30/IDC4U: Student Leadership**

**Lead. Learn. Change Your World. Become a School Leader.** This course prepares and motivates students to provide leadership within the school. Students will develop coaching, teamwork, and conflict management skills while they manage a team, convene a special event or school-wide project, and contribute positively to the school community. This course prepares students to act in leadership and peer support roles. They will design and implement a plan for contributing to their school and/or community; develop skills in communication, interpersonal relations, teamwork, and conflict management; and apply those skills in leadership and/or peer support roles. Students will examine group dynamics and learn the value of diversity within groups and communities.

**Prerequisite: None**

**TREC - Timberwolf Recreation and Environment Course, (2 credit, Outdoor Ed PAD30 & Environmental Science SVN3M/E)** *Offered every other year. (Offered in 2021-22)*

Outdoor Experiential Education is a senior level course with an emphasis on the environment, traditional beliefs and how humans interact with our natural surroundings. Students will develop resilience and leadership skills through various outdoor activities that will enhance both mental and physical well-being. Through experiential adventure based learning, students will stretch their comfort zone and be challenged physically, mentally, and socially to become a more confident and worldly citizen. Students applying to this course must have a strong desire to work actively in the outdoors and be willing to accept the challenge of working independently and in close cooperation with their classmates. Activities in this course may include: camping, canoeing, hiking, snowshoeing, skiing, survival skills, indoor/outdoor rock climbing, mountain biking, high/low ropes courses. Note: there is a fee associated with this course as many of the experiences offered will be offsite including 2 or 3 multi-night trips. **Prerequisite: Grade 10 Science, Academic, Applied or Locally Developed**

### ***IDC30/IDC40 - Yearbook***

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. **Prerequisite: None**

## **LANGUAGES**

### ***FSF3U1: Core French, University***

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **Prerequisite: Core French, Grade 10, Academic**

## **MATHEMATICS**

### ***MBF3C1: Foundations for College Mathematics, College***

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This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analyzing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. **Prerequisite: Foundations of Mathematics, Grade 10, Applied**

### ***MCR3U1: Functions, University***

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. **Prerequisite: Principles of Mathematics, Grade 10, Academic**

### ***MCF3M1: Functions and Applications, University/College***

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in 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**

### ***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: Principles of Mathematics, Grade 9, Academic, or Foundations of Mathematics, Grade 9, Applied, or a Ministry-approved Locally Developed Grade 10 Mathematics course**



## **FIRST NATIONS METIS**

### ***NBV3C1: World Views & Aspirations of First Nation, Métis , and Inuit Communities in Canada, Grade 11, College Prep.***

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This course explores the diverse knowledge, world views, and aspirations that shape the actions of First Nations, Métis, and Inuit individuals and communities in Canada. Students will examine the historical and contemporary context of those beliefs, values, aspirations, and actions, including the impact of colonization and decolonization. Students will explore the factors that shape world views to develop an understanding of how acknowledging diverse cultures, values, and ways of knowing contributes to truth, reconciliation, and renewed nation-to-nation relationships. Students are also given the opportunity to develop their own problem-solving strategies to build mutual understanding related to First Nations, Métis, and Inuit world views and aspirations. **Prerequisite: First Nations, Métis, and Inuit in Canada, Grade 10, Open, or Canadian History since World War I, Grade 10, Academic or Applied**

## **SCIENCE**

### ***SBI3U1: Biology, University***

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

### ***SBI3C1: Biology, College***

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

### ***SCH3U1: Chemistry, University***

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment. **Prerequisite: 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, Academic or Applied, or a Grade 9 or 10 Locally Developed compulsory credit (LDCC) course in Science**

### ***SVN3M1: Environmental Science, University/College***

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This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in 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***

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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***

### ***HHD3O1: Dynamics of Human Relationships, Open***

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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 practise 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.**

### ***HSP3C1: Introduction to Anthropology, Psychology, and Sociology, College***

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This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. 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**

### ***HNC3C1: Understanding Fashion, College***

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This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. 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**

### ***HSP3U1: Introduction to Anthropology, Psychology, and Sociology, University***

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

### ***HPC3O1: Raising Healthy Children, Open***

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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.**

## **TECHNOLOGICAL EDUCATION**

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

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

### ***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, College***

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**

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

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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***

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This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry. **Prerequisite: None**

# GRADE 12 COURSES

## The Grade 12 Program (6 credits)

All students must take the following **course**:

**English** (Workplace, College or University)

**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, Grade 12, University/College Preparation***

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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**

### ***AVI4E1: Visual Arts, Grade 12, 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, jewellery design, and/or web design. **Prerequisite: Visual Arts, Grade 11, Open**

### ***ADA4M1: Drama, Grade 12, University/College Preparation***

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other 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, Grade 12, 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**

### ***AMI4M1: Instrumental Music, University /College***

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in

society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers. **Prerequisite: Grade 11 Instrumental Music**

***AMG4M1: Instrumental Music, Guitar, University/College***

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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, Grade 12 University/College Preparation***

Want to know more about the management side of business? Then this course is for you as you will learn about the ways in which people in organizations work together to make a cohesive team and how managers play an important role in this process. It will also provide leadership opportunities to help prepare you for a career in business or postsecondary education in the business field.

## **CANADIAN AND WORLD STUDIES**

***CHY4U1: World History Since the Fifteenth Century, Grade 12, University Preparation*** [Back to Top](#)

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, Grade 12, 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, Grade 12, 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, Academic or Applied.**

***CHY4U1: World History Since the Fifteenth Century, Grade 12, University Preparation***

This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of

conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and 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.

## ***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.

Complete and submit a co-op application/questionnaire, which is available in the Guidance/Co-op office and the NPSS website.

Obtain parent/guardian approval, if under 18 years of age, before admission to the program is finalized.

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

### **Cooperative Education Linked to a Related Course (or Courses)<sup>1</sup>**

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

**Prerequisite:** None

### **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.

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***GWL 302 – 2 Credit Cooperative Education Program:***

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

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***GLN 404 – 4 Credit Cooperative Education Program:***

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

## **ENGLISH**

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***ENG4U1: English, Grade 12, University Preparation***

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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**

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***ENG4C1: English, Grade 12, College Preparation***

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will 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**

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***ENG4E1: English, Grade 12, Workplace Preparation***

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will 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**

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***OLC401: Ontario Secondary School Literacy Course, Grade 12***

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

## **ENGLISH as a SECOND LANGUAGE**

### **ESL: English as a Second Language Courses**

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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, Open**

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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.

### **PAF4OF: Personal and Fitness Activities, Open, Females**

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, Grade 12, Open**

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

build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

### ***PSK4U1: Introductory Kinesiology (formerly Exercise Science), Grade 12, 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**

### ***IDC30/IDC4U: Student Leadership***

**Lead. Learn. Change Your World. Become a School Leader.** Grade 11 and 12 students in this special 2 credit program (1 course each semester). This course prepares and motivates students to provide leadership within the school. Students will develop coaching, teamwork, and conflict management skills while they manage a team, convene a special event or school-wide project, and contribute positively to the school community. This course prepares students to act in leadership and peer support roles. They will design and implement a plan for contributing to their school and/or community; develop skills in communication, interpersonal relations, teamwork, and conflict management; and apply those skills in leadership and/or peer support roles – for example, as a student council member or a peer tutor. Students will examine group dynamics and learn the value of diversity within groups and communities.

**Prerequisite: None**

## **LANGUAGES**

### ***FSF4U1: Core French, Grade 12, University Preparation***

This course draws on a variety of themes to promote extensive development of French language skills. Students will 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, Grade 12 University Preparation***

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

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

#### ***MDM4U1: Mathematics of Data Management, Grade 12, University Preparation***

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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, Grade 12, University Preparation***

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

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

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This course enables students to broaden their understanding of real-world applications of mathematics. Students will 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**

#### ***MCT4CV\*: Mathematics for College Technology, College eLearning***

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This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs. **Prerequisite: Functions and Applications, Grade 11, University/College Preparation, or Functions, Grade 11, University Preparation**

**This course is offered online only.**

#### ***MEL4E1: Mathematics for Work and Everyday Life, Grade 12, Workplace Preparation***

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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, Grade 12, University Preparation***

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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 , Grade 12 University Preparation***

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

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

## ***SCH4C1: Chemistry, Grade 12, College Preparation \*This course is offered every other year\* Next offered in 2022-23***

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, Grade 12, University Preparation***

This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data 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 Grade 12 College Prep \*This course is offered every other year\* Next offered in 2021-22***

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

their investigations. Students will also consider the impact of technological applications of physics on society and the environment. **Prerequisite: Grade 10 Science, Academic or Applied**

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### **SES4U1: Earth and Space Science, Grade 12 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**

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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, Grade 12, College 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, Grade 12, 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, Grade 12, Workplace Preparation***

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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**

### ***TCJ4E1: Construction Technology, Grade 12, Workplace Preparation***

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

**Prerequisite: Construction Technology, Grade 11, Workplace Preparation**

***TWJ4E1: Custom Woodworking, Grade 12, Workplace Preparation***[Back to Top](#)

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, Grade 12, 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**

***TFJ4E1: Hospitality and Tourism, Grade 12, 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, Grade 12, University/College Preparation***[Back to Top](#)

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, Grade 12 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”

<b>Grade 9 Year 1 8 credits</b>	<b>Grade 10 Year 2 8 credits</b>	<b>Grade 11 Year 3 8 credits</b>	<b>Grade 12 Year 4 6 credits</b>	<b>Year 5</b>
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 and Physical Ed.	6. Arts (in grade 9 or 10)	6.	6.	
7. Optional Course	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.**