



# ELMVALE DISTRICT HIGH SCHOOL

25 Lawson Ave.,  
Elmvale, ON L0L 1P0  
Tel: 705-322-2201  
Fax: 705-322-3714

## Website

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

**Principal**  
**Mark Ruzylo**

**Vice-Principal**  
**Hillary Glass**

**Family of Schools**  
Birchview Dunes  
Hillsdale  
Huron Centennial  
Minesing  
Wyevale Central

**Superintendent**  
**Douglas Paul**

**Student Population**  
**535**

## School Colours

Green

Red

Black

Blue

## Sports Team



## About Us

We believe in the importance and value of completing a secondary education and are committed to reaching all students through a variety of supports. A positive high school experience involves success in academics and a sense of belonging. We are family/community-oriented, and offer something for everyone. The House System has a long-standing tradition at EDHS and provides several opportunities to demonstrate school spirit and community outreach.

## School Highlights

Our wide range of extra-curricular activities include:

### Teams and Sports:

Badminton, Basketball, Core Conditioning, Cross Country Running, Curling, Fitness Activities, Flag Football, Golf, Hockey, Nordic Skiing, Soccer, Track and Field, Ultimate Frisbee (no-cut program), Volleyball.

### Clubs

Announcers, Coding Club, Debate Club, Drama Club, Extra Life, Farm Society, Gay-Straight Alliance, Green Team, Inter-School Christian Fellowship, Me to We, Outdoors Club and Yearbook

### Music & Arts

Blues Band, Choir, Concert Band, Recording Club, and Sound & Lighting

### Leadership

Link Crew, Peer Mediation, Student Athletic Association, Student Council

### Community

EDHS Day, Fall Fair, Food Drive, Maple Syrup Festival, Terry Fox Run, Salvation Army Family Sponsorship, Environmental Partnerships

## Program Highlights

Specialist High Skills Major - Environmental  
Outdoor Education Leadership Program  
Ontario Youth Apprenticeship Program  
Dual Credits (offering students the opportunity to earn college credits while in high school)  
Co-op program and experiential learning  
E-learning courses  
Flexible pathways planning

## Course Selection Information – Timelines and Due Dates

February 23 – Grade 8 Course Selections Due

February 8 – March 11 – Grade 9-12 Course Selections

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



Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>ARTS</b>				
Drama	<a href="#"><u>ADA10</u></a>	<a href="#"><u>ADA20</u></a>		
Drama (Univ./College)			<a href="#"><u>ADA3M</u></a>	
Music For Creating			<a href="#"><u>AMC3O</u></a>	
Music - Guitar		<a href="#"><u>AMG2O</u></a>	<a href="#"><u>AMG3O</u></a>	
Music – Instrumental	<a href="#"><u>AMU1O</u></a>	<a href="#"><u>AMU2O</u></a>		
Music – Instrumental (Univ./College)			<a href="#"><u>AMU3M</u></a>	<a href="#"><u>AMU4M</u></a>
Music - Keyboarding		<a href="#"><u>AMK2O</u></a>		
Music – Vocal	<a href="#"><u>AMV1O</u></a>	<a href="#"><u>AMV2O</u></a>		
Music – Vocal (Univ./College)			<a href="#"><u>AMV3M</u></a>	<a href="#"><u>AMV4M</u></a>
Visual Arts	<a href="#"><u>AVI1O</u></a>	<a href="#"><u>AVI2O</u></a>		
Visual Arts (Univ./College)			<a href="#"><u>AVI3M</u></a>	<a href="#"><u>AVI4M</u></a>
Visual Arts– Drawing			<a href="#"><u>AWL3O</u></a>	
Visual Arts – Urban Art		<a href="#"><u>AWT2O</u></a>		

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>BUSINESS</b>				
Accounting Essentials (Workplace)			<a href="#"><u>BAI3E</u></a>	
Financial Accounting Fundamentals (Univ./College)			<a href="#"><u>BAF3M</u></a>	
Information and Communication Technology in Business	<a href="#"><u>BTT1O</u></a>			
Introduction to Business		<a href="#"><u>BBI2O</u></a>		

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>CANADIAN &amp; WORLD STUDIES</b>				
Canadian History since World War I (Academic)		<a href="#"><u>CHC2D</u></a>		
Canadian History since World War I (Applied)		<a href="#"><u>CHC2P</u></a>		
Canadian History since World War I (Locally developed)		<a href="#"><u>CHC2L</u></a>		
Civics and Citizenship (half credit taken with half credit Careers)		<a href="#"><u>CHV2O</u></a>		
Environment and Resource Management (Univ./Coll) - Offered online only				<a href="#"><u>CGR4MV</u></a>
Introduction to Spatial Technologies			<a href="#"><u>CGT3O</u></a>	
Issues in Canadian Geography (Academic)	<a href="#"><u>CGC1D</u></a>			
Issues in Canadian Geography (Applied)	<a href="#"><u>CGC1P</u></a>			
Understanding Canadian Law (Univ./College)			<a href="#"><u>CLU3M</u></a>	
Understanding Canadian Law in Everyday Life (Workplace)			<a href="#"><u>CLU3E</u></a>	
Canadian and International Law (University)				<a href="#"><u>CLN4U</u></a>
World Issues: A Geographic Analysis (University)				<a href="#"><u>CGW4U</u></a>
World Issues: A Geographic Analysis (College)				<a href="#"><u>CGW4C</u></a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>COMPUTER STUDIES</b>				
Introduction to Computer Science		<a href="#"><u>ICS2O</u></a>		

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>COOPERATIVE EDUCATION</b>				
Designing Your Future (2 credits)			<a href="#">GWL302</a>	<a href="#">GWL302</a>
Designing Your Future (4 credits)			<a href="#">GWL304</a>	<a href="#">GWL304</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="#">NBE3U</a>	<a href="#">ENG4U</a>
English (Workplace)				<a href="#">ENG4E</a>
Ontario Secondary School Literacy Course (Open)			<a href="#">OLC30</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>		
Core French (Applied )	<a href="#">FSF1P</a>	<a href="#">FSF2P</a>		
Core French (Open)	<a href="#">FSF1O</a>			
Core French (University)			<a href="#">FSF3U</a>	<a href="#">FSF4U</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>GUIDANCE &amp; CAREER EDUCATION</b>				
Career Studies (half credit taken with a half Civics and Citizenship)		<a href="#">GLC20</a>		
Leadership and Peer Support			<a href="#">GPP30</a>	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>HEALTH AND PHYSICAL EDUCATION</b>				
Healthy Active Living Education (F=female, M=male, 1=Co-ed)	<a href="#">PPL1OF</a> <a href="#">PPL1OM</a>	<a href="#">PPL2O1</a>	<a href="#">PPL3O1</a>	
Healthy Active Living and Personal Fitness Activities (Co-ed)		<a href="#">PAF2O1</a>	<a href="#">PAF3O1</a>	<a href="#">PAF4O1</a>
Healthy Active Living and Large-Group Activities		<a href="#">PAL2O1</a>		
Recreation and Healthy Active Living Leadership				<a href="#">PLF4M</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>INTERDISCIPLINARY STUDIES</b>				
Outdoor Environmental Leadership (3 Credit Package; co-op code to be determined on an individual basis)			<a href="#">NBE3UD or NBE3CD plus CO-OP</a>	<a href="#">CGR4MD</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>MATHEMATICS</b>				
Advanced Functions (University)				<a href="#">MHF4U</a>
Calculus and Vectors (University)				<a href="#">MCV4U</a>
Foundations for College Mathematics (College)			<a href="#">MBF3C</a>	<a href="#">MAP4C</a>
Foundations of Mathematics (Applied)		<a href="#">MFM2P</a>		
Functions (University)			<a href="#">MCR3U</a>	
Functions and Applications (Univ./College)			<a href="#">MCF3M</a>	
Mathematics	<a href="#">MTH1W</a>			
Mathematics (Locally Developed)	<a href="#">MAT1L</a>	<a href="#">MAT2L</a>		

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>MATHEMATICS</b>				
Mathematics for College Technology (College)				<a href="#">MCT4C</a>
Mathematics for Work and Everyday Life (Workplace)			<a href="#">MEL3E</a>	<a href="#">MEL4E</a>
Mathematics of Data Management (University)				<a href="#">MDM4U</a>
Principles of Mathematics (Academic)		<a href="#">MPM2D</a>		

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>INDIGENOUS STUDIES</b>				
First Nations, Metis, and Inuit in Canada		<a href="#">NAC2O</a>		
Current Indigenous Issues in Canada			<a href="#">NDA3M</a>	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>SCIENCE</b>				
Biology (College)			<a href="#">SBI3C</a>	
Biology (University)			<a href="#">SBI3U</a>	<a href="#">SBI4U</a>
Chemistry (College)				<a href="#">SCH4C</a>
Chemistry (University)			<a href="#">SCH3U</a>	<a href="#">SCH4U</a>
Environmental Science (Univ./College)			<a href="#">SVN3M</a>	
Environmental Science (Workplace)			<a href="#">SVN3E</a>	
Physics (University)			<a href="#">SPH3U</a>	
Physics (University) (in alternate years)				<a href="#">SPH4U</a>
Physics (College)				<a href="#">SPH4C</a>
Science (Academic)	<a href="#">SNC1D</a>	<a href="#">SNC2D</a>		
Science (Applied)	<a href="#">SNC1P</a>	<a href="#">SNC2P</a>		
Science (Locally Developed)	<a href="#">SNC1L</a>	<a href="#">SNC2L</a>		
Science (University/College) – offered online only				<a href="#">SNC4MV</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>SOCIAL SCIENCE AND THE HUMANITIES</b>				
Challenge and Change in Society (University)				<a href="#">HSB4U</a>
Food and Nutrition		<a href="#">HFN2O</a>		
Gender Studies			<a href="#">HSG3M</a>	
Human Development Throughout the Lifespan				<a href="#">HHG4M</a>
Introduction to Anthropology, Psychology, and Sociology (College)			<a href="#">HSP3C</a>	
Introduction to Anthropology, Psychology, and Sociology (University)			<a href="#">HSP3U</a>	
Nutrition and Health (University)				<a href="#">HFA4U</a>
Nutrition and Health (College)				<a href="#">HFA4C</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>SPECIAL EDUCATION</b> (*Only for students with an Individual Education Plan)				
Language and Communication Development* (non-credit)	<a href="#">KENNNK</a>	<a href="#">KENNNK</a>	<a href="#">KENONK</a>	<a href="#">KENONK</a>
Numeracy and Numbers* (non-credit)	<a href="#">KMMNNK</a>	<a href="#">KMMNNK</a>	<a href="#">KMMONK</a>	<a href="#">KMMONK</a>

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>TECHNOLOGICAL EDUCATION</b>				
Communications Technology (Animation & Game-Making) (Open)		<a href="#">TGJ2O</a>		

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
<b>TECHNOLOGICAL EDUCATION</b>				
Communications Technology (Game-Making) (University/College) Interactive New Media and Animation			<u>TGJ3M</u> <u>TGI3M</u>	<u>TGJ4M</u> <u>TGI4M</u>
Construction Technology (Open) Construction Engineering Technology (College) Construction Engineering (Workplace)		<u>TCJ2O</u>	<u>TCJ3C</u> <u>TCJ3E</u>	<u>TCJ4C</u> <u>TCJ4E</u>
Custom Woodworking (Workplace)			<u>TWJ3E</u>	<u>TWJ4E</u>
Exploring Technologies	<u>TIJ1O</u>			

<b>SPECIALIST HIGH SKILLS MAJOR: ENVIRONMENT</b>		
MAJOR CREDITS	GRADE 11	GRADE 12
4 Required: At least one from each grade	BAF3M - Accounting CGT3O – Spacial Technologies CLU3E – Law CLU3M - Law NDA3M – Contemporary FNMI Issues PPL3O – Healthy Active Living SBI3C - Biology SBI3U – Biology SCH3U – Chemistry SPH3U - Physics SVN3M – Environmental Science SVN3E – Environmental Science TCJ3C – Construction Technology TCJ3E – Construction Technology	CGR4M – Environment and Resource Management CGW4U – World Issues CGW4C – World Issues CLN4U – Law HFA4C – Nutrition and Health HFA4U – Nutrition and Health HSB4U – Challenge and Change in Society PAF4O – Personal Fitness PLF4M – Recreational Leadership SBI4U - Biology SCH4C - Chemistry SCH4U – Chemistry SNC4M - Science HSB4U – Challenge and Change in Society TCJ4C – Construction Technology TCJ4E – Construction Technology

### E-Learning Descriptions:

[https://scdsb.on.ca/UserFiles/Servers/Server\\_210898/File/Secondary/Program%20Options/SCDSB-eLearning-courses\\_2021-22.pdf](https://scdsb.on.ca/UserFiles/Servers/Server_210898/File/Secondary/Program%20Options/SCDSB-eLearning-courses_2021-22.pdf)

Summer school 2021 courses: <http://www.thelearningcentres.com/high-school-student/summer-school>

Night School 2021-2022 courses: <http://www.thelearningcentres.com/adult-student/night-school>

## GRADE 9 COURSE DESCRIPTIONS

Grade 8 students choose Grade 9 courses on the based on their needs, interests, strengths, and past achievements. They may also choose grade 10 courses. However, it is important to look at the prerequisites for courses in grade 11 and 12 to make sure that the grade 10 course chosen will lead to the desired destination.

## **COMPULSORY COURSES – GRADE 9**

Each student will take the following courses at either the Applied, Academic, or Locally Developed levels: Canadian Geography, English, French, Mathematics, and Science. One Arts-based credit and one Phys. Ed. credit are required for graduation. They may be taken at any grade level. Please check prerequisite requirements.

### **CGC1D: Issues in Canadian Geography, Academic**

This course examines interrelationships within and between Canada’s natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic

issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live.

**NOTE:** tools used in the geographic inquiry process include interactive maps, photographs, websites, satellite images, new articles, etc.

### **CGC1P: Issues in Canadian Geography, Applied**

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore issues relating to food and water supplies, competing land uses, interactions with the natural environment, and other topics relevant to sustainable living in Canada. They will also develop awareness that issues that affect their lives in Canada are interconnected with issues in other parts of the world. Throughout the course, students will use the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations. **NOTE:** tools used in the geographic inquiry process include interactive maps, photographs, websites, satellite images, new articles, etc.

[Back To Top](#)

### **ENG1D: English, Academic**

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. **NOTE:** This course will also focus on literacy test preparation.

### **ENG1L: English, Locally Developed**

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the Grade 10 course. Students develop listening, talking, reading, viewing, and writing skills in a variety of authentic contexts.

### **ENG1P: English, Applied**

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 & 12. **NOTE:** This course will also focus on literacy test preparation.

[Back to Top](#)

### **FSF1D: Core French, Academic**

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. **NOTE:** thematic exploration of culture; emphasis on communication; access to interactive on-line authentic French resources

**Prerequisite: Minimum of 600 hours of Elementary Core French instruction, or equivalent.**

### **FSF1O: Core French, Open**

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

the ability to express daily needs, acquire basic conversation skills and vocabulary, and use simple sentence patterns orally and in writing. Students will explore cultural components (media, sports, celebrations) of “La Vie Francophone” and compare them with their own lives and Canadian culture.

**Prerequisite: None**

### **FSF1P: Core French, Applied**

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.

**NOTE:** thematic exploration of culture; emphasis on communication; access to interactive on-line authentic French resources

**Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent.**

[Back to Top](#)

### **MTH1W: Mathematics**

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

### **MAT1L: Mathematics, Locally Developed**

This course emphasizes development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Grade 10 Locally Developed course, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. Students develop mathematical literacy, problem-solving, and communication skills related to money sense, measurement, and proportional reasoning by completing practical, authentic activities.

[Back To Top](#)

### **SNC1D: Science, Academic**

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

### **SNC1L: Science, Locally Developed**

This course develops science-related knowledge and skills to prepare students for success in everyday life, in the workplace, and in the Science Grade 11 Workplace preparation course. Students explore scientific topics that connect with their lives by engaging in practical science activities. **NOTE:** The majority of the strands are addressed through project-based learning. Projects are tailored to the class focusing on group dynamics, problem solving and technical skills.

### **SNC1P: 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.

[Back to Top](#)

## **ELECTIVE COURSES – GRADE 9**

Grade 8 students are asked to select three elective courses and two alternates.

## **ADA10: Drama, 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.

## **AMU10: Music, 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 lives. **NOTE:** This is a beginner instrumental course and all are welcome.

## **AMV10: Vocal Music, Open**

An intermediate vocal music course in which the students continue to develop an appreciation of music through the development of skills in listening, performing and creating. Repertoire will be varied, and performance will be in both large and small ensembles. Theory concepts such as major and minor scales, intervals and rhythmic dictation will be taught, along with some music history. **NOTE:** A beginner vocal music course in which students develop an appreciation of music through listening, performing, and creating. Repertoire will be varied, and performance will be in both large and small ensembles with an emphasis on creating a comfortable and supportive musical environment. Theory concepts such as major scales, intervals and rhythmic dictation will be taught, along with some music history.

## **AVI10: 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.

[Back to Top](#)

## **BTT10: Information and Communication Technology, in Business, Open**

This course introduces students to information and communication technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, and website design skills. Throughout the course, there is an emphasis on digital literacy, effective electronic research and communication skills, and current issues related to the impact of information and communication technology.

[Back To Top](#)

## **PPL10F (Female) PPL10M (Male)**

### **Healthy Active Living Education: Healthy Active Living, Open**

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

**NOTE:** This interactive and cooperative course provides students with an introduction to a variety of court, field and individual sports while also introducing the basic knowledge of personal fitness that can allow them to truly embrace healthy living throughout their lives. They will learn basic sport skills in team games such as basketball, volleyball, soccer, football and slow pitch while also developing a knowledge of individual activities such as badminton, tennis and golf. Students will also have the opportunity to try out a variety of fitness programs ranging from strength to yoga or sport-specific training, and participate in community field trips such as rock climbing, skiing and golf.

[Back To Top](#)



## **TIJ10: Exploring Technological Design, Open**

This exploratory course introduces students to concepts and skills related to technological design, which involves the development of solutions to various design challenges and the fabrication of models or prototypes of those solutions. 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. **NOTE:** Students will learn to safely and properly use mitre saws, table saws, band saws and all the hand tools. They will be able to explore more complex technical set-ups using the 3-D printer and CNC Router. The students will also learn the basics of electricity and plumbing and more.

[Back To Top](#)

## **GRADE 10 COURSE DESCRIPTIONS**

Grade 9 students choose Grade 10 courses based on their needs, interests, strengths, and past achievements. They may also choose grade 11 courses. However, it is important to look at the prerequisites for courses in grade 12 to make sure that the grade 11 course chosen will lead to the desired destination.

### **COMPULSORY COURSES – GRADE 10**

Each student will take the following grade 10 courses at either the Applied, Academic, Open or Locally Developed levels: Canadian History, Civics and Career Studies (half credit each), English, Mathematics, Science.

#### **CHC2D: Canadian History Since World War 1, Grade 10, Academic**

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

#### **CHC2L: 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 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.

#### **CHC2P: Canadian History Since World War 1, Grade 10, Applied**

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

#### **CHV20: Civics and Citizenship, Grade 10, Open (.5 credit)**

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about a range of political issues and developments that are both of significance in today's world and of personal interest to them.

[Back To Top](#)

## **ENG2D: English, Grade 10, Academic**

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

**NOTE:** This course will also focus on literacy test preparation. **Prerequisite: English, Grade 9, Academic or Applied**

## **ENG2L: English, Grade 10, Locally Developed**

In this course, students extend their literacy and communication skills to prepare for success in their daily lives, in the workplace, and in the English Grade 11 Workplace preparation course. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing and thinking in a variety of authentic contexts.

## **ENG2P: English, Grade 10, Applied**

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course. Students will read three independent books and complete a compulsory Book Festival throughout the course. **NOTE:** This course will also focus on literacy test preparation.

**Prerequisite: English, Grade 9, Academic or Applied**

[Back To Top](#)

## **GLC20: Career Studies, Grade 10, Open .5 credit**

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores 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.

[Back To Top](#)

## **MPM2D: Principles of Mathematics, Grade 10, Academic**

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

**Prerequisite: Mathematics, Grade 9, Academic**

## **MAT2L: Mathematics, Grade 10, Locally Developed**

This course extends students' mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Grade 11 Mathematics Workplace preparation course. Students strengthen their mathematical literacy, problem-solving, and communication skills related to money sense, measurement, and proportional reasoning by completing practical, authentic activities.

**Prerequisite: Mathematics, Grade 9, any level**

## **MFM2P: Foundations of Mathematics, Grade 10, Applied**

This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop 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-angled triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. **Prerequisite: Mathematics, Grade 9, Academic or Applied**

[Back To Top](#)

### **SNC2D: Science, Grade 10, Academic**

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

**Prerequisite:** Science, Grade 9, Academic or Applied

### **SNC2L: Science, Grade 10, Locally Developed**

This course strengthens science-related knowledge and skills to prepare students for success in everyday life, in the workplace, and in the Science Grade 11 Workplace preparation course. Students explore science in the media, interactions of common materials, organisms in communities and electrical energy through practical science activities. Students learn science and technology through a series of hands-on projects. An emphasis is placed on developing creative approaches to problem solving and on developing skills which will be valuable in the work place. Students also gain experience in group work, literacy, measurement and analysis, and interpreting current events. This course is project-based.

### **SNC2P: Science, Grade 10, Applied**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, 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

[Back To Top](#)

## **ELECTIVE COURSES – GRADE 10**

Grade 10 students are asked to select three elective courses and two alternates.

### **ADA20: Drama, Grade 10, Open**

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

### **AMG20: Music – Beginner Guitar, Grade 10, Open**

An introductory course in which the students are taught the basics of playing guitar. The topics will include: chord formation, notation, tab, soloing and styles of guitar playing. Emphasis is placed on working co-operatively in groups, self-discipline and self-expression through music. Students will also gain an understanding of the role of music and the arts in society.

### **AMK20: Music Keyboarding, Grade 10, Open**

Students will work individually on piano/keyboards connected to a computer. Students will investigate various software programs that will allow them to discover the piano/keyboard, playing in a band setting, composing, recording and music theory. Students will perform a variety of styles of music from pop to classical.

### **AMU20: Music, Grade 10, 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 their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to self, communities, and cultures.

**Note: Recommended AMU10, or previous instrumental music experience.**

### **AMV20: Vocal Music, Grade 10, Open**

An intermediate vocal music course in which the students continue to develop an appreciation of music through the development of skills in listening, performing and creating. Repertoire will be varied, and performance will be in both large and small ensembles. Theory concepts such as major and minor scales, intervals and rhythmic dictation will be taught, along with some music history.

### **AVI20: Visual Arts, Grade 10, Open**

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

### **AWT20: Visual Arts – Urban Art, Grade 10, Open**

Students explore urban, street design, and art forms together with social justice issues. The course emphasizes: the elements and principals of design; observational drawing using a variety of media and techniques; as well as critical and creative thinking skills. The course utilizes a ‘hands-on’ approach to explore the creative process in both 2 and 3 dimensional projects. Students use art as a vehicle through which they will examine their own world and express themselves.

[Back To Top](#)

### **BBI20: 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 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.

[Back To Top](#)

### **FSF2D: Core French, Grade 10, Academic**

This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **NOTE:** novel- based work, kahoot, duolingo, Franco - Ontarien celebrations, traditional and cultural activities (winter carnival) **Prerequisite: Core French, Grade 9, Academic or Applied**

### **FSF2P: Core French, Grade 10, Applied**

This course provides opportunities for students to communicate in French about everyday matters and topics of personal interest in real-life situations. Students will exchange information, ideas, and opinions with others in structured, guided, and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through using language learning strategies for understanding texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **NOTE:** novel- based work, kahoot, duolingo, Franco - Ontarien celebrations, traditional and cultural activities (winter carnival) **Prerequisite: Core French, Grade 9, Academic or Applied**

[Back to Top](#)

### **HFN20: Food and Nutrition, Grade 10, Open**

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

*a fee associated with this course.*

[Back to Top](#)

### **ICS20: Introduction to Computer Science, Grade 10, Open**

This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers. **(Course offered in alternate years; Next 2021-22)**

[Back To Top](#)

### **NAC20: First Nations, Inuit and Metis in Canada, Grade 10, Open**

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

[Back To Top](#)

### **PAF201 (Co-ed)**

#### **Healthy Living and Personal and Fitness Activities, Grade 10, Open**

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

**NOTE:** 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, such as cross training for their chosen sport or desiring to improve their self-image and fitness levels, as well as assess and monitor their health related fitness during physical activity. The course involves various forms of physical training including cardiovascular and strength training programs. The development of these skills will start students on a path to achieving their personal wellness goals both now and in the future.

### **PAL201 (Co-ed):**

#### **(Hockey Focus) Healthy Active Living and Large Group Activities, Grade 10, Open**

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

**NOTE:** This course is intended for students very interested in the large group activity of hockey as their main focus for fitness. Using 30-50 hours of on-ice instruction the course aims to further develop player confidence, individual playing skill, and leadership abilities while promoting lifelong healthy active living. Student learning will include the application of movement principles to refine skills and participation in hockey specific training to enhance personal fitness. The health component of the course will examine fitness appraisals, fitness planning, exercises and injury prevention, nutrition, substance use and abuse and the use of informed decision making as positive contributors to the successful student athlete.

*There is a fee associated with this focus course.*

### **PPL201 (Co-ed): Healthy Active Living, Grade 10, Open**

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

[Back To Top](#)

### **TCJ20: Construction Technology, Grade 10, Open**

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry. **NOTE:** Students will frame walls, learn Single Pole and 3- Way switches while expanding their knowledge in plumbing, trusses and tiling. Any student interested in joining the trades will gain a solid foundation in this course.

[Back To Top](#)

### **TGJ20: Communications Technology, Grade 10, Open (Animation and Game-Making)**

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.

**NOTE:** This course is designed to give students an introduction to both the Gamemaker and the Animation streams. They will work on learning the basics and beginnings of both programs with the intent that students will choose their preferred path. The class will be split into two sections (half the semester on learning Gamemaker and game making theories while the second half will be dedicated to learning Adobe Animator and Adobe Character Animator and how to tell stories through animating original characters).

[Back to Top](#)

## **GRADE 11 COURSE DESCRIPTIONS**

Grade 10 students choose Grade 11 courses based on their needs, interests, strengths, and past achievements. They may also choose grade 12 courses. However, it is important to look at the prerequisites for post-secondary programs to make sure that the grade 12 course chosen will lead to the desired destination.

## **COMPULSORY COURSES – GRADE 11**

Each student must check her/his status sheet to identify senior compulsory requirements. Students are encouraged to investigate destination requirements. One compulsory grade 11 English credit, and one senior math credit are required for the OSSD.

### **NBE3C: Understanding Contemporary First Nations, Metis and Inuit Voices, Grade 11, College Preparation**

This course explores the themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity,

relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course. **Prerequisite: English, Grade 10, Applied or Academic**  
**Note: Counts as grade 11 compulsory English**

### **NBE3U: Understanding Contemporary First Nations, Metis and Inuit Voices, Grade 11, University Preparation**

This course explores the themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will 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**      **Note: Counts as grade 11 compulsory English**

### **OLC30: Ontario Secondary School Literacy Course, Grade 11 Open**

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test. 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 literacy portfolio containing a record of their reading experiences and samples of their writing. **NOTE:** 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.

[Back To Top](#)

### **MBF3C: Foundations for College Math, Grade 11, College Preparation**

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

### **MCF3M: Functions and Applications, Grade 11, University/College Preparation**

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modeling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems. **NOTE:** This course may be used as a prerequisite for MDM4U, MCT4C or MAP4C but not MHF4U or MCV4U.

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

### **MCR3U: Functions, Grade 11, University Preparation**

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; 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. **NOTE:** This course may be used as a prerequisite for MDM4U and MHF4U. **Prerequisite: Principles of Mathematics, Grade 10, Academic**

### **MEL3E: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation**

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

**Prerequisite: Principles of Mathematics, Grade 9, Academic, or Foundations of Mathematics, Grade 9 Applied, or a ministry-approved locally developed Grade 10 mathematics course.**

[Back To Top](#)

## ELECTIVE COURSES – GRADE 11

Grade 11 students will select six elective courses.

### ARTS

#### ADA3M: Drama, Grade 11, Open

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

**Prerequisite: Drama, Grade 9**

#### AMC30: Music For Creating, Grade 11, Open

This course develops students' musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their lives and their careers. **NOTE:** This course focusses on creating, presenting, and promoting art work, including integrated productions with an emphasis on music recording and songwriting.

**Prerequisite: Instrumental Music, Grade 9 or 10**

#### AMG30: Music - Intermediate Guitar, Grade 11, Open

As an extension of the beginning level guitar course students will perform appropriate works in contemporary popular styles as well as explore more complex chord structures in blues, jazz, and classical music. Students will also take advantage of appropriate technology for recording and producing. **NOTE:** Students must use an acoustic guitar.

**Prerequisite: Beginner Guitar, Grade 10**

#### AMU3M: Music – Instrumental, Grade 11, Open

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

**Prerequisite: Instrumental Music, Grade 9 or 10**

#### AMV3M: Music - Vocal, Grade 11, Open

This is a senior vocal music course in which the student continues to develop skills in the areas of listening, performing and creating. Repertoire will be varied, and emphasis will be placed on performing in large and small ensembles. There will be a continuation of study of theory concepts and musical styles.

**Prerequisite: Vocal Music, Grade 9 or 10**

#### AVI3M: Visual Arts, Grade 11, Open

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



personal, contemporary, historical, and cultural context.

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

### **AWL30: Visual Arts (Drawing), Grade 11, Open**

This is a focused visual arts course in which the student continues to develop drawing skills using a range of mediums. Students will develop their drawing techniques on a wide range of subjects such as figures, portraiture, animals, and natural and man-made landscapes.

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

[Back To Top](#)

## **BUSINESS**

### **BAF3M: Financial Accounting Fundamentals, Grade 11, University/College Preparation**



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

**Prerequisite: None.**

### **BAI3E: Accounting Essentials, Grade 11, Workplace Preparation**



This course introduces students to the accounting cycle of a service business. Students will use computer application software to record business transactions and to prepare financial statements. Students will also investigate banking and cash management, decision making, ethical behaviour, and career opportunities in the field of accounting.

**Prerequisite: None.**

[Back to Top](#)

## **CANADIAN AND WORLD STUDIES**

### **CGT30: Introduction to Spatial Technologies, Grade 11, Open Level**



This course enables students to develop practical skills associated with spatial technologies and to investigate related career opportunities. Students will develop their ability to use geographic information systems (GIS), global positioning systems (GPS), and remote sensing technologies. They will apply the concepts of geographic thinking and the geographic inquiry process when conducting fieldwork, collecting and organizing data, and analysing spatial images such as maps and aerial photographs. Throughout the course, students' local context is emphasized. **NOTE:** Possible Careers: GIS/GPS technician, GIS/GPS specialist, analyst, field data collection technician, farmer, farm equipment operator, soil analyst, forestry

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

### **CLU3E: Understanding Canadian Law in Everyday Life, Grade 11, Workplace Preparation**



This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyberbullying, and criminal offences. Students will begin to develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating legal issues that are relevant to life in Canada today. **NOTE:** Students will enjoy participating in a mock trial as a lawyer, witness, court official or perhaps even the accused. If you are planning a career in law or just want to know more about the rights and responsibilities of Canadians, this is the course for you.

**Prerequisite: Canadian History since World War I, Grade 10, Academic, Applied or a Locally Developed Compulsory Course.**

### **CLU3M: Understanding Canadian Law, Grade 11, University/College Preparation**



This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of laws relating to rights and freedoms in Canada; our legal system; and family, contract,

employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them. **NOTE:** Related Careers: lawyer, police officer, probation officer, paralegal, legal assistant, judge **Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied**

[Back To Top](#)

## CO-OPERATIVE EDUCATION

### **GWL302 Sem 1, half day co-op GWL304 Sem 1, full day co-op**

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.

[Back To Top](#)

## FRENCH

### **FSF3U: Core French, Grade 11, University Preparation**

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **NOTE:** novel-based work, learning grammatical concepts with an arts-based focus, cross curricular study.

**Prerequisite: Core French, Grade 10, Academic**

[Back To Top](#)

## GUIDANCE AND CAREER EDUCATION

### **GPP30: Leadership and Peer Support, Grade 11, 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. Selection will be based on a teacher endorsement.

[Back To Top](#)

## HEALTH AND PHYSICAL EDUCATION

### **PAF301 (Co-ed): Healthy Living and Personal and Fitness Activities, Grade 11, Open**

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

**NOTE:** 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, such as cross training for their chosen sport or desiring to improve their self-image and fitness levels, as well as assess and monitor their health related fitness during physical activity. The course involves various forms of physical training including cardiovascular and strength training programs. The development of these skills will start students on a path to achieving their personal wellness goals both now and in the future.

### **PPL301 (Co-ed): Healthy Active Living Education, Grade 11, Open**

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

**NOTE:** This interactive and cooperative course provides students with an introduction to a variety of court, field and individual sports while also introducing the basic knowledge of personal fitness that can allow them to truly embrace healthy living throughout their lives. They will further develop basic sport skills and learn important game strategies in team games such as basketball, volleyball, soccer, football and slow pitch while continuing to develop a knowledge of individual activities such as badminton, tennis and golf. Students will also have the opportunity to try out a variety of fitness programs ranging from strength to yoga or sport-specific training, and participate in community field trips such as rock climbing, skiing and golf.

[Back To Top](#)

## **INTERDISCIPLINARY STUDIES**

### **BLOCK3: OELP Outdoor Environmental Leadership Program**

Have an interest in the outdoors? Apply for the Outdoor Environmental Leadership Program! OELP is a three credit package for University and College bound students that will be delivered in the second semester of the year. It boasts leadership development, cross-cultural connections, outdoor education, local community involvement, and all of this with a hands-on environmental focus.

Credits delivered include:

- Grade 11 English (NBE3UD/NBE3CD) - Native Studies/Environment focus
- Grade 12 Geography (CGR4MD) - Environment and Resource Management
- Cooperative Education (1 credit)

The cooperative education component of the course includes working with local environmental organizations on environmental projects, supporting children's programs both in the school and the community, and earning outdoor and environmental certifications on multi-day field trips.

#### **CGR4MD: Environment and Resource Management, Grade 12, University/College Preparation**

This course investigates the complexity and fragility of ecosystems and the pressures human activities place on them. Students will examine ecological processes, the principles of sustainability and strategies for resource management, with a focus on the challenges of environmental degradation and resource depletion. Student will use geotechnologies and skills of geographic inquiry to explain and evaluate various approaches to achieving a more sustainable relationship between people and their environment.

#### **NBE3UD: English: Contemporary Indigenous Voices, Grade 11, University Preparation**

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Indigenous writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of Indigenous writing. Students will also conduct research and analyze the information gathered; write persuasive and literary essays; and analyze the relationship between media forms and audiences. An important focus will be the further development of students' understanding of English-language usage and conventions. **Prerequisite: English, Grade 10, Academic**

#### **NBE3CD: English: Contemporary Indigenous Voices, Grade 11, College Preparation**

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of

works in English by Indigenous writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Indigenous writing. Students will also write reports, correspondence, and persuasive essays, and analyse the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity. **Prerequisite: English, Grade 10, Academic or Applied**

### COOPD (COOPERATIVE EDUCATION)

Cooperative Education is a method of program delivery whereby regular curriculum or Ministry approved locally developed courses are linked to workplace experience. It assists the student in making a successful transition to post-secondary work and education or training. Students will explore the realities and opportunities of modern workplaces, while refining their employability skills. There are both classroom and placement components.

[Back To Top](#)

## First Nations, Métis, and Inuit Studies

### NDA3M: Contemporary First Nations, Métis, and Inuit Issues and Perspectives, Grade 11, University/College Preparation

This course explores existing and emerging issues of local, regional, and national importance to First Nations, Métis, and Inuit in Canada. Students will analyse diverse perspectives on issues and events related to land, community, governance, identity, culture, and global trends. Using the concepts of political thinking and the tools of political inquiry, students will explore their own and others' ideas and investigate issues to determine what needs to change and why. Students are also given the opportunity to develop their own problem-solving strategies to address an issue of their choice. **NOTE:** Possible Job Connections: Social Work, Indigenous Well Being and Treatment, Politics, Political Service, Mental Health, Health Care, Teaching, Journalism, Diplomacy **Prerequisite: First Nations, Métis, and Inuit in Canada, Grade 10, Open, or Canadian History since World War I, Grade 10, Academic or Applied**

[Back to Top](#)

## SCIENCE

### SBI3C: Biology, Grade 11, College Preparation

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

**NOTE:** Students will learn microbiology, including bacteria and viruses, with a focus on disease. Students will also build on their understanding of the systems of the human body and will be introduced to some diseases of those systems. Students will also learn about inheritance with a focus on the importance of DNA and inheritance patterns.

**Prerequisite: Science, Grade 10, Academic or Applied**

### SBI3U: Biology, Grade 11, University Preparation

This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. **NOTE:** Students will learn about the vast diversity of living organisms, from the simple bacteria up to complex organisms. They will also learn the role that many of these organisms play in our health and diseases. Students will also build on their understanding of the systems of the human body and will be introduced to some diseases of those systems. Students will also learn about inheritance with a focus on inheritance patterns and predicting offspring based on these learned patterns. Students will also be introduced to the concept of evolution and how it links together many aspects of biology.

**Prerequisite: Science, Grade 10, Academic**

### SCH3U: Chemistry, Grade 11, University Preparation

This course enables students to deepen their understanding of chemistry through the study of the properties of chemical bonds; chemical reactions and quantitative relationships in those reactions; 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

### SPH3U: Physics, Grade 11, University Preparation

This course develops students' understanding of the basic concepts of physics. Students 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. **NOTE:** Students interested in grade 12 University Physics are advised to take it in 2019-2020, as the course only runs in alternating years.

**Prerequisite:** Science, Grade 10, Academic      **Recommended:** Math, Grade 10, Academic

### SVN3E: Environmental Science, Grade 11, Workplace Preparation

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy. **NOTE:** Students will build environmental stewardship by participating in many activities including tree planting, stream rehabilitation and wetland health measurement. Students will contribute to the ongoing assessment and rehabilitation of the Wye River and surrounding watershed. **Prerequisite:** Science, Gr. 9, Academic or Applied, or a Gr. 9 or 10 Locally Developed compulsory credit (LDCC) course in science. This course is project-based.

### SVN3M: Environmental Science, Grade 11, University/College Preparation

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas. **NOTE:** Students will build environmental stewardship by participating in many activities including tree planting, stream rehabilitation and wetland health measurement. Students will contribute to the ongoing assessment and rehabilitation of the Wye River and surrounding watershed.

**Prerequisite:** Grade 10 Science, Applied or Academic

[Back To Top](#)

## SOCIAL SCIENCE AND THE HUMANITIES

### HSG3M: Gender Studies, Grade 11, University/College Preparation

This course enables students to explore the social construction of gender. Students will learn about the dynamic nature of gender roles and norms; sexism and power relations; and the impact of representations of women and men in the media, popular culture, and the arts. Students will analyse a range of gender equity issues, including gender-based violence and workplace equity, in both Canadian and global contexts. Students will develop and apply research skills and will design and implement a social action initiative relating to gender equity. **Prerequisite:** None

### HSP3C: Introduction to Anthropology, Psychology, and Sociology, Grade 11, College Preparation

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

## HSP3U: Introduction to Anthropology, Psychology, and Sociology, Grade 11 University Preparation

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

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

[Back To Top](#)

### SPECIAL EDUCATION

K Courses are Ministry of Education approved non-credit courses offered to students who are registered in high school and are unable to meet the requirements of credit courses. These non-credit courses are practical academics and are oriented towards “life skills”. K Courses are based upon alternative expectations that are not currently derived from the Ministry Policy Documents. These expectations are highly individualized and are listed on the Individual Education Plan (IEP). Assessment of these alternative expectations occurs through the IEP process. No marks or credits are granted for alternative expectations.

#### KENNK/KENONK: Language and Communication Development

This course involves the development of skills needed for communication and general language use. Many of the program areas for language may link directly to the language strands outlined in the Ontario Curriculum. The IEP becomes the definition of the course and may include components from the following program areas: Listening and Comprehension, Non-Verbal Communication, Social Language, General Language Functions, Conversation Skills and/or Functional Language.

#### KMMNK/KMMONK: Numeracy and Numbers

This course involves the development of mathematic skills required for daily living. Many of the program areas may link directly with the math strands outlined in the Ontario Curriculum. The IEP becomes the definition of the course and may include components from the following program areas: Calendar Skills, Time, Numeracy, Measurement, Money and /or Personal Finances.

[Back To Top](#)

### TECHNOLOGICAL EDUCATION

#### TCJ3C: Construction Engineering Technology, Grade 11, College Preparation

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

**Prerequisite:** None

#### TCJ3E: Construction Technology, Grade 11 Workplace Preparation

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

#### TGI3M: Communications Technology: Interactive New Media and Animation, Grade 11, University/College Preparation

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography;

digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues, and will explore college and university programs and career opportunities in the various communications technology fields.

**NOTE:** This animation class will focus only on the creation of original animation characters and stories. The students will focus on the use of Adobe Animator and Adobe Character Animator to create characters while using Adobe Photoshop and Premiere to give supplemental support to the students' creations. The students will focus on the importance of storytelling while understanding the importance of sound and style to the overall success of the characters and storylines.

### **TGJ3M: Communications Technology, Grade 11, University/College Preparation (Game-Making)**

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. **NOTE:** This game maker class is designed to allow students to take their interest and skill to the next level making 2-D and 3-D games. The students will be able to design their own games and make a very clear and concise style while learning what makes a successful game. The students will be using the software Gamemaker 2 and will have the opportunity to explore many aspects and avenues of the game industry. Students that choose this course will learn exclusively about video game making. **Prerequisite: None**

### **TWJ3E: Custom Woodworking, Grade 11, Workplace**

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

[Back To Top](#)

## **GRADE 12 COURSE DESCRIPTIONS**

Grade 11 students choose Grade 12 courses on the basis of their needs, interests, strengths, and past achievements. It is important to look at the prerequisites for post-secondary programs to make sure that the grade 12 courses chosen will lead to the desired destination.

## **COMPULSORY COURSES – GRADE 12**

Each student must check her/his status sheet to ensure all graduation requirements will be met by the end of the year. Students are strongly encouraged to investigate destination requirements. One compulsory grade 12 English credit is required for the OSSD.

### **ENG4C: English, Grade 12, College Preparation**

This course emphasizes 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 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 or University**

**Note: Contemporary Indigenous Voices NBE3C or NBE3U also accepted as prerequisite**

### **ENG4E: English, Grade 12, Workplace Preparation**

This course emphasizes consolidation of literacy, communication, and critical and thinking skills necessary for success in the workplace and in daily life. Students will analyze informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language

accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship. **Prerequisite: English, Grade 11, Workplace Preparation**

### **ENG4U: English, Grade 12, University Preparation (also offered through eHUB and SCDSB elearning)**

This course emphasizes consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyze a range of challenging texts from various time 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. **NOTE:** The literary essay will be a large focus of this course as will the development of a formal, personal voice in a variety of written forms.

**Prerequisite: English, Grade 11, University Preparation**

[Back To Top](#)

## **ELECTIVE COURSES – GRADE 12**

Grade 12 students will select up to seven elective courses.

### **ARTS**

#### **AMU4M: Music -Instrumental, Grade 12, University/College Preparation**

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their lives and careers.

**Prerequisite: Instrumental Music, Grade 11, University/College Preparation or Open**

#### **AMV4M: Music - Vocal, Grade 12, University/College Preparation**

This is a senior vocal music course in which the students concentrate on advanced large and small ensemble singing, theory, basic conducting technique, critical evaluation of music and musical performance. There will be a continued study of music history and musical styles

**Prerequisite: Vocal Music, Grade 11**

#### **AVI4M: Visual Arts, Grade 12, University/College Preparation**

This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media 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 material, 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**

[Back To Top](#)

### **CANADIAN AND WORLD STUDIES**

The prerequisite for any Grade 12 course in Canadian and World Studies is any Grade 11 course in Canadian and World Studies, English, or Social Sciences and Humanities from the appropriate level, unless otherwise stated.

#### **CLN4U: Canadian and International Law, Grade 12, University Preparation**



This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts.

**NOTE:** Related Careers: lawyer, police officer, probation officer, paralegal, legal assistant, judge



## **CGR4MV: The Environment and Resource Management, Grade 12, University/College Preparation** **- Offered online only**

This course investigates interactions between natural and human systems, with a particular emphasis on the impacts of human activity on ecosystems and natural processes. Students will use the geographic inquiry process, apply the concepts of geographic thinking, and employ a variety of spatial skills and technologies to analyse these impacts and propose ways of reducing them. In the course of their investigations, they will assess resource management and sustainability practices, as well as related government policies and international accords. They will also consider questions of individual responsibility and environmental stewardship as they explore ways of developing a more sustainable relationship with the environment.

## **CGW4U: World Issues: A Geographic Analysis, Grade 12, University Preparation**



This course explores many difficult challenges facing Canada and the world today – challenges such as unequal access to food, water, and energy; urbanization; globalization; and meeting the needs of a growing world population while ensuring the sustainability of the natural environment. Students will explore these and other world issues from environmental, social, economic, and political perspectives, while applying the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations. **NOTE:** Related Careers: human rights officer, lawyer, politician, international relations, journalism, land use planner, international trade, economic and social development officer, political affairs officer, economist, epidemiologist, health promotion

## **CGW4C: World Issues: A Geographic Analysis, Grade 12, College Preparation**



This course explores many difficult challenges facing Canada and the world today – challenges such as unequal access to food, water, and energy; urbanization; globalization; and meeting the needs of a growing world population while ensuring the sustainability of the natural environment. Students will explore these and other world issues from environmental, social, economic, and political perspectives, while applying the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations. **NOTE:** Related Careers: journalism, land use management, environmental technician, immigration officer, disaster relief

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

[Back To Top](#)

## **CO-OPERATIVE EDUCATION**

### **GWL302 Sem 1, half day co-op   GWL304 Sem 1, full day co-op**

Cooperative Education is a method of program delivery whereby regular curriculum or Ministry approved locally developed courses are linked to workplace experience. It assists the student in making a successful transition to post-secondary work and education or training. Students will explore the realities and opportunities of modern workplaces, while refining their employability skills. There are both classroom and placement components. A student may take co-op more than once as long as each co-op experience is linked to a different course. Students should be 16 years old and have 16 credits. There is no limit to the number of times that you can take co-op and co-op can count up to a maximum of 2 additional compulsory credits.

**NOTE:** Grade 11 & 12 students may select any of the above codes.

[Back to Top](#)

## **FRENCH**

### **FSF4U: Core French, Grade 12, University Preparation**

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

skills necessary for lifelong language learning. **NOTE:** novel-based work, extended grammatical concepts through project-based learning **Prerequisite: Core French, Grade 11, University Preparation**

[Back To Top](#)

## HEALTH AND PHYSICAL EDUCATION

### **PAF40 (Co-ed): Healthy Living and Personal and Fitness Activities, Grade 12, 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.

**NOTE:** 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, such as cross training for their chosen sport or desiring to improve their self-image and fitness levels, as well as assess and monitor their health related fitness during physical activity. The course involves various forms of physical training including cardiovascular and strength training programs. The development of these skills will start students on a path to achieving their personal wellness goals both now and in the future.

### **PLF4M (Co-ed): Recreation and Healthy Active Living Leadership, Grade 12, University/College Preparation**



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

**Prerequisite: Any health and physical education course**

[Back To Top](#)

## MATHEMATICS

### **MAP4C: Foundations for College Mathematics, Grade 12, College Preparation**

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; 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**

### **MCT4C: Mathematics for College Technology, Grade 12, College Preparation**

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

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

### **MCV4U: Calculus and Vectors, Grade 12, University Preparation**

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

**Prerequisite:** The Advanced Functions course (MHF4U) must be taken prior to Calculus and Vectors (MCV4U).

### **MDM4U: Mathematics of Data Management, Grade 12, University Preparation (also offered through SCDSB elearning)**

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.

### **MEL4E: Mathematics for Work and Everyday Life, Grade 12, Workplace Preparation**

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs, 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

### **MHF4U: Advanced Functions, Grade 12, University Preparation**

This course extends students' experiences 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

[Back To Top](#)

## SCIENCE

### **SBI4U: Biology, Grade 12, University Preparation**



This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields. **NOTE:** Students will dive into biology using their new abilities acquired from chemistry to achieve a more thorough understanding of biological concepts already introduced in earlier courses. Students will learn the complex processes that drive cells and organisms in biology. This course will help students have a deeper understanding of normal cell functioning and genetics.

**Prerequisite:** Biology, Grade 11, University Preparation

### **SCH4C: Chemistry, Grade 12, College Preparation**



This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate

scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment.

**Prerequisite: Science, Grade 10, Academic or Applied**

### **SCH4U: Chemistry, Grade 12, University Preparation**

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

**Prerequisite: Chemistry, Grade 11, University Preparation**

### **SNC4MV: Science, Grade 12, University/College Preparation – Offered online only**

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

**NOTE:** This Medical Sciences course would be of interest to any students interested in the health care field including vet technician, nursing, medicine, medical technologists, dentistry, public health, emergency services or nutrition. It is being run through the North Simcoe eHub. The eHub provides students with face-to-face support in the school as they take their online course. For the first three weeks of the course students will be required to attend the eHub classroom. At the end of the first three weeks, if students are successfully on track in their course, they can choose to attend the eHub or work independently. A teacher will be available in the eHub to help students throughout the semester. **Prerequisite: Science, Grade 10, Academic, or any Grade 11 university, university/college, or college preparation course in science**

### **SPH4C: Physics, Grade 12, College Preparation**

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

**Prerequisite: Science, Grade 10, Academic or Applied.**

### **SPH4U: Physics, Grade 12, University Preparation**

This course enables students to deepen their understanding of the concepts and theories of physics. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data relating to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment. **Prerequisite: Physics, Grade 11, University Preparation. This course is offered every second year. (Next: 2021-2022)**

[Back To Top](#)

## **SOCIAL SCIENCE AND THE HUMANITIES**

The prerequisite for any grade 12 course in the Social Sciences and Humanities is any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies, unless otherwise stated.

### **HFA4C – Nutrition and Health, Grade 12, College Preparation**

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

## HFA4U – Nutrition and Health, Grade 12, University Preparation



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

## HHG4M – Human Development Throughout the Lifespan, Grade 12, University/College Preparation

This course offers a multidisciplinary approach to the study of human development throughout the lifespan. Students will learn about a range of theoretical perspectives on human development. They will examine threats to healthy development as well as protective factors that promote resilience. Students will learn about physical, cognitive, and social-emotional development from the prenatal period through old age and will develop their research and inquiry skills by investigating issues related to human development.

## HSB4U: Challenge and Change in Society, Grade 12, University Preparation

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

[Back To Top](#)

## TECHNOLOGICAL EDUCATION

### TCJ4C: Construction Engineering Technology, Grade 12, College Preparation



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

**Prerequisite: Construction Engineering Technology, Grade 11, College Preparation**

### TCJ4E: Construction Technology, Grade 12, Workplace Preparation



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

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

### TGJ4M: Communications Technology, Grade 12, University/College Preparation (Game-Making)

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**

### **TGI4M: Interactive New Media and Animation, Grade 12, University/College Preparation**

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

**NOTE:** This course examines communications technology from an animation perspective. Students will develop knowledge and skills as they design and produce media projects in graphic communications. These areas include interactive new media while developing the ability to express themselves through various animation software. 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 animation fields.

**Prerequisite:** Interactive New Media and Animation, Grade 11, University/College Preparation

### **TWJ4E: Custom Woodworking, Grade 12, Workplace Preparation**

This course enables students to further develop knowledge and skills related to the planning, design, and construction of residential and/or commercial cabinets and furniture. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that maybe pursued directly after graduation. **Prerequisite:** Custom Woodworking, Grade 11, Workplace Preparation

[Back To Top](#)