

Southwood Secondary School



2021 – 2022 Course Calendar

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Southwood Secondary School

Course Calendar 2021-2022

Principal: Ms. J. Bistolas

Vice Principal: Mr. D. Linnerth

Head of Guidance: Mrs. J. Madge

The Waterloo Region District School Board offers a Common Course Calendar which will provide Ministry descriptions and subject flow charts for all courses offered in the Region. The Common Course Calendar can be found on the Waterloo Region District School Board website.

This course calendar has been created to help you access only the courses available at Southwood. This calendar is organized by department and grade level. This calendar can be found at <http://sss.wrdsb.cs/guidance>

Students should choose their courses carefully. It is important to pay attention to graduation requirements and prerequisites. The school timetable is created around the data collected during course selection in February. Changing course selections for the 2021-2022 year after February 25th will be limited.

Course Load Requirement

- Grade 9,10 and 11 students must carry a full course load of 8 credits.
- Grade 12 students must take a minimum of three courses each semester unless they will exceed the 34 credit threshold.
- A student must have accumulated 29 credits to be eligible for part-time status. If a part-time student is taking three or more courses, three of those courses must be taken in Semester 1.

Course Change Policy

- Grade 9 and 10 students are not allowed to drop a course.
- Grade 11 students must have at least 16 credits as well as special permission, before a class may be dropped.
- No requests to drop courses will be granted after December 4th 2021 in Semester 1 or after May 24, 2022.

34 Credit Threshold

The Ministry of Education allows students to take up to 34 credits. Thirty credits are required for graduation so this would allow for an additional 4 credits. There are some exceptions, for example, students with an I.E.P. See your Guidance Counsellor for more information.



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Ontario Secondary School Diploma Requirements

Students must complete the following requirements to obtain the Ontario Secondary School Diploma:

- earn 30 credits (18 compulsory and 12 elective);
- complete 40 hours of community involvement activities;
- successful completion of the Ontario Secondary School Literacy Test.

Compulsory Credits

4	credits in English (1 credit per grade)
3	credits in Mathematics (at least 1 credit in Grade 11 or 12)
2	credits in Science
1	credit in French as a Second Language
1	credit in Canadian Geography
1	credit in Canadian History
1	credit in the Arts
1	credit in Health and Physical Education
.5	credit in Civics
.5	credit in Career Studies

Plus one credit from each of the following groups:

1 **Group 1:** one additional credit in English, French as a second language **, or a Native language, or a classical or International language, or Social Sciences and the Humanities or Canadian and World Studies, or Guidance and Career Education, or Cooperative Education.***

1 **Group 2:** one additional credit in Health and Physical Education, or the Arts, or Business Studies, or French as a second language**, or Cooperative Education***

1 **Group 3:** one additional credit in Science (Grade 11 or 12) or Technological Education, or French as a Second Language**

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

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

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

Course Types

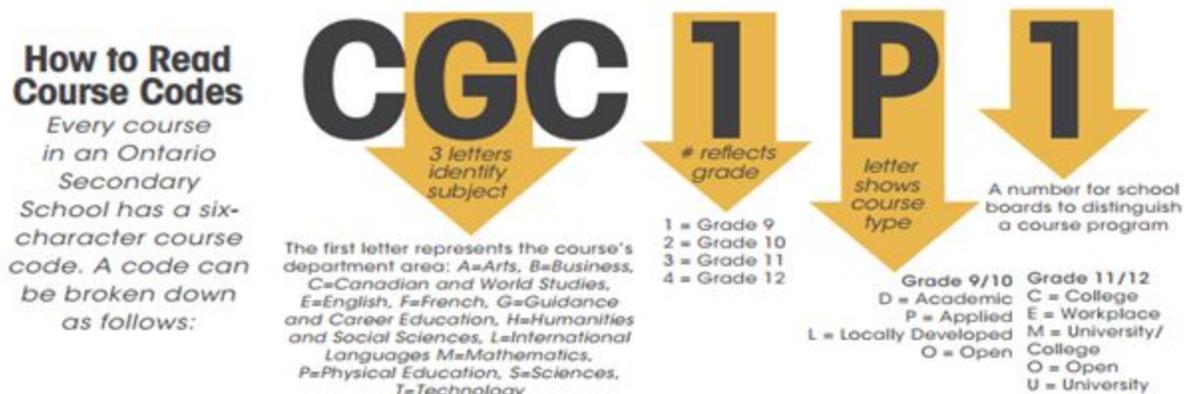
3 Types of courses are offered in Grade 9 and 10:

- Academic courses develop students' knowledge and skills through theory and abstract problems.
- Applied courses focus on the essential concepts of a subject and develop knowledge through practical applications and concrete examples.
- Open courses are appropriate for all students and are designed to prepare students for further study in certain subjects and to enrich their education generally.

In Grades 11 and 12, course levels are based on post-secondary pathway destinations.

Course Coding System

The course code consists of a course title and a sixth character code: the first five characters are designated by the Ministry of Education and Training. The Waterloo Region District School Board determines the sixth character.



Course Fees

All basic materials essential for the completion of a program are made available by the school at no cost to students. It is the policy of the Waterloo Region District School Board to acknowledge that students are entitled to an education that ensures they achieve their full potential through equitable and appropriate allocation of funds provided by the Ministry of Education. Enhanced educational opportunities for all students are made available through shared responsibilities with parents and guardians. Students/Families requiring financial assistance should contact a staff member. That staff member will ensure that the student's issue is dealt with in an appropriate, sensitive and confidential manner.

Alternate Credit Acquisition

E-Learning- The Waterloo Region District School Board's e-Learning courses are designed to allow students to take courses and earn secondary school credits on days and times that are convenient for them. There are set due dates for assignments and assessments, but each week students have the flexibility to get coursework done as their daily schedule permits. Please visit your Guidance Counsellor to register for an online course.

Night School - Credit courses are open to all high school students with current prerequisites. Students may take a new credit, or retake a course previously taken to upgrade a mark. Students cannot enroll in a course if they are taking the course in day school. Students must consult with their day school guidance counselor regarding course registration. Night school may not run if course enrollment is limited.

Summer School - New credit and credit recovery courses are offered through the month of July. Students must speak to their Guidance Counsellor for a list of available courses and registration.

Specialized Programs



The Specialist High Skills Major Program allows students to focus on a career path that matches their skills and interests, starting in Grade 11. Students have the opportunity to gain important skills on the job with actual employers, at skills training centers and at the school. Students will also earn valuable industry certifications, including First Aid and C.P.R. qualifications.

Why pursue a SHSM in the Environment or Transportation? SHSM programs enable students to:

- build a foundation of sector-focused knowledge and skills before graduating and entering apprenticeship training, college, university, or an entry-level position in the workplace;
- customize their secondary school education to suit their interests and talents while meeting the requirements for the OSSD;
- Select a bundle of 9 required credits focused on sector-specific knowledge and skills that are:
 - designed to help prepare students for a postsecondary opportunity of their choice in this economic sector;
 - designed with the flexibility to allow students to shift between pathways (e.g., switch from a pathway leading to college or to an apprenticeship pathway) or to discontinue the SHSM program should their career plans change in Grade 11 or 12.
 - Co-op is required

For more information, see the link below and speak to your Guidance Counsellor SHSM teacher:

[Environment:](#) Mr. Bracey jason_bracey@wrdsb.ca
[Transportation:](#) Mr. Stockford steve_stockford@wrdsb.ca



Co-operative education enables a student to experience a career or job before leaving high school to pursue further education or to enter the world of work. By attending school and gaining valuable work experience in the community, a student can balance the best of both worlds.

General Information

- 16 completed credits needed to apply
- An in-school subject must be taken before or along with the placement
- Co-op is a 2 credit package. You report to your placements for an entire morning or afternoon
- An application package is required and will be provided by Guidance Counsellors upon request



Ontario Youth Apprenticeship Program (OYAP) is a specialized cooperative education program that provides students with an opportunity to begin an apprenticeship in a skilled trade, while completing their Ontario Secondary School diploma requirements.

[Is OYAP right for you?](#)

OYAP admission requirements:

- Have to successfully completed 16 credits
- Be 16 years of age or older
- Have an acceptable attendance record
- Have an acceptable academic record
- Be responsible for transportation to and from placement
- Complete a co-operative education application form

For more information or to pick an application package see Mrs. Shaw or your Guidance Counsellor.



Advanced Placement at Southwood

The French, Geography, and Science departments offer enrichment opportunities and coaching for students interested in writing Advanced Placement (AP) exams in May of their Grade 12 year. Successful completion of an AP exam may earn students first year university credits.

Students interested in AP opportunities must...

- Demonstrate academic excellence in the chosen subject area (has achieved over 85%);
- Have superior academic potential;
- Display an excellent command of spoken and written language;
- Have a well-established work ethic and the willingness to work hard;
- Be enthusiastic, self-directed, and capable of handling the accelerated pace of learning.

Students interested in AP enrichment opportunities must complete the **AP Interest Google Form** provided by St. Andrew's or Cedar Creek during the course selection process.

Once your French, Geography, or Science class has started, please talk to your teacher about your interest in the AP opportunities. For a list of AP policies by Ontario university, [visit this link](#).

French
Geography
Science
Guidance

Ms. Pimentel (Head of Languages)
Mr. Bracey (Head of Geography)
Mrs. Deacon (Head of Science)
Mrs. Madge (Head of Guidance)

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Environmental Magnet Program

This program is open to all students of the Waterloo Region District School Board. In accordance with the Board's vision; engaged learners and engaged communities, the aim of this program is to provide an opportunity for all students regardless of academic ability to pursue and enhance environmental education. Furthermore, in accordance with the stated goals of the W.R.D.S.B. This program aims to pursue partnerships and links within the community to facilitate students being participating community members while developing their potential and pursuing their aspirations.

Program Requirements:

Mandatory Courses/Components:

Grade 11 Environmental Science - SVN3MI

Grade 12 Environmental Science and Resource Management - CGR4MI or Living in a Sustainable World CGR4EI

Cooperative Education-COOP (Environment Related Field)

20 Hours of Community Service-Approved Environmental Related Activities

Choose 5 additional credits from the following:

Grade 10 Sustainable Living (recommended) - CGL231

Grade 11 Biology-SBI3CI/3UI
Physical Geography-CGF3MI
Travel & Tourism-CGG3OI

Grade 12 Biology-SBI4UI
Chemistry-SCH4CI
Earth & Space Science-SES4UI
World Issues-CGW4UI

Community Connections

A core area of the program will be the emphasis on outdoor, hands-on interactive environmental education through an established and ongoing partnership with rare (www.raresites.org). Educational partnerships will be pursued with various universities and colleges.

A focus of this program will also be the involvement of university/college professors and experts from environment related industry who through interactions with program participants may help shape their post-secondary education choices and/or career aspirations. Program participants will also develop leadership and interpersonal skills through the new "Chain of LEarning: initiative.

This program develops leadership skills and empowers students to become environmentally-aware global citizens and engaged community participants. Students who are interested in pursuing a career and/or post-secondary education in environment related fields might be interested in this program. The application package is completed in grade 9.

The Arts

Grade	Course	Type	Prerequisite	Course Details
9	AMI1OI Instrumental Music - Band (experienced)	Open		This performance course is for students with previous experience on a concert band instrument. The development of playing skills, musical literacy, and critical listening are the focus for this course. A wide variety of musical styles will be explored.
9	AMI1OX Instrumental Music – Band (beginner)	Open		This course teaches you how to play a brass or woodwind instrument, to play in small and large group settings, and to read music and listen to music critically.
9	AMV1OI Vocal Music	Open		This course develops your singing voice. Performing in small and large groups, strengthening musical literacy skills, listening to and creating music from a wide variety of styles are featured.
9	AVI1OI Visual Arts	Open		This hands-on course provides students with a foundation on which to build further study in the visual arts. Students will use the creative process to explore a variety of media (e.g. drawing, painting, sculpture and/or printmaking) and techniques to develop their artistic voice. They will build a base of understanding of the elements and principles of design, as well as critical analysis skills when reflecting upon their own art, that of their peers, historical and contemporary artists.
10	ADA2OI Dramatic Arts	Open		In this course students will be introduced to the foundations of theatre including: tableau, creative movement, stage combat, characterization, scene work, vocal work, choral speaking; and an introduction to technical theatre in lighting, sound and stage design. Throughout the course students are encouraged to attend off-campus field trips in order to successfully critique live theatrical work, and gain a deeper understanding of the various roles and jobs available in theatres. In this course students will demonstrate their understanding of the creative process by culminating their learning into a monologue performance by the end of the semester. This course may be taken in grade 9 or 10.
10	AMG2OI Guitar	Open		This course teaches you how to play the guitar in solo and group settings. Classical finger techniques, chord strumming and arpeggiating are all featured. Musical literacy and listening skills are introduced.
10	AMI2OI Instrumental Music Band	Open	AMI1OI is recommended	This course continues to develop and build on performance skills by playing more challenging repertoire. Strengthening literacy skills and a more in depth exploration of musical styles and genres are also a focus.
10	AMV2OI Vocal/Choral Music	Open	AMV1OI or AMI1OI is recommended	Choral singing and the development of the individual voice form the basis of this course. Musical literacy skills are extended and critical listening to choral music from many styles and traditions is explored.
10	AVI2OI Visual Arts	Open	AVI1OI is recommended	This course aims to further develop skills and knowledge in the visual arts with an emphasis on a wide range of studio activities. Creative process and critical analysis skills will be developed as students execute artwork in a variety of media and reflect on artworks from class members as well as ancient and more contemporary artists.
10	AWS2OI Computer Graphics	Open	None	This course develops and refines theories and concepts linked to the graphic design process and industry through Adobe Photoshop, InDesign, Illustrator, scanning, digital manipulation, typography and the elements and principles of design. Using the creative and critical analysis processes, students will study various styles of design and incorporate them into their artwork.

Grade	Course	Type	Prerequisite	Course Details
11	ADA3MI Dramatic Arts	University College	ADA2OI	This course requires students to create and perform dramatic presentations throughout the semester in a variety of theatre styles, and for a varying number of audience members including their peers, school and community. Students will research various acting styles and conventions that could be used in their presentations, and analyse the functions of playwrights, directors, actors, designers, technicians, and audiences. Students will experiment with a variety of forms of theatre including site-specific work, and social issue-driven work. Students will research dramatic forms, conventions, themes, and theories of acting and directing from different historical periods, including Canadian works. Throughout this course students are encouraged to attend multiple off-campus field trips and respond with formal written reviews. This course culminates with an in-class exam.
11	AMG3OI Guitar	Open	AMG2OI	This second year guitar course involves more complex repertoire and playing techniques. Listening and literacy skills continue to be developed and explored.
11	AMI3MI Instrumental Music-Band	University College	AMI1OI or AMI2OI	This further develops performance technique through a variety of music. Literacy and listening skills continue to be developed. Composition and harmonizing are introduced. Connections between classical music to one's own music are explored.
11	AMV3MI Vocal/Choral Music	University College	AMV1OI or AMV2OI	Senior choral repertoire forms the core of this course. Vocal technique is refined and part-singing security is stressed. Musical literacy and listening skills are further extended. Connections from classical to one's own music are explored.
11	ASM3MI Media Arts (yearbook)	University College	AWS2OI AWQ3MI/3OI AVI3MI	Students will develop necessary skills to interpret and produce a variety of print and internet-based media productions. They will learn and apply traditional and emerging technologies, tools and techniques such as layout and design, photography, industry-standard digital imaging/publishing software and journalism. This course emphasizes development of print media and imaging skills, typically through the production of the thematic body of work that is Southwood's yearbook. Creating community connections, visualizing school identity and culture, and responsible collaborative practices are vital aspects of success in this course.
11	AVI3MI Visual Arts	University College	AVI1OI or AVI2OI	This comprehensive course enables students to further develop their knowledge and skills in the visual arts. Students will use the creative process to explore a range of themes through studio work that may include drawing, painting, sculpting and printmaking as well as the creation of art work using mixed media and emergent technologies. Students will use the critical analysis process when reflecting upon and evaluating their own work, the work of peers and that of historical/contemporary artists.
11	AWQ3MI Digital Photography	University College	AVI1OI or AVI2OI	This course aims to develop the student's digital camera through design, manipulation and production of personal photographic images. The medium will be approached from technical, formal and creative angles. Students will demonstrate knowledge and application of photography through images of their personal environment and community. Using the creative and critical analysis processes, they will also explore the history of photography, as well as its importance and impact on society and as a career choice.

Grade	Course	Type	Prerequisite	Course Details
11	AWQ3OI Digital Photography	Open	AVI1OI or AVI2OI is recommended	This course aims to develop the student's digital camera skills through design, manipulation and production of personal photographic images. Students will approach photography from technical, formal and creative angles and develop critical analysis skills when reflecting upon their work, the work of peers, and those of historical and contemporary significance. The course is designed for the student with no previous visual arts experience.
12	ADA4MI Dramatic Arts	University College	ADA3MI	This course requires students to experiment with forms and conventions in dramatic literature and to create/adopt and present dramatic works.
12	AMI4MI Instrumental Music-Band	University College	AMI3MI	This course is a continuation of the AMI3MI course which further develops performance technique and concentrates on music of the Romantic and Modern Eras. Music literacy and listening skills are further developed, culminating in the creation of a musical arrangement for the class.
12	AMV4MI Vocal Choral Music	University College	AMV3MI or AMI3MI	Vocal and choral technique continues to be refined, with increased performer and independence as a goal. Each student arranges an SATB piece for the class. Advanced listening/analysis skills, focusing on choral forms and multicultural traditions, are developed. A "real-world" independent study is explored.
12	ASM4MI Media Arts (Yearbook)	University College	ASM3MI	Students will continue to develop necessary skills to interpret and produce a variety of print and internet based media products. They will learn and apply traditional and emerging technologies, tools and techniques such as layout and design, photography, industry-standard digital imaging/publishing software and journalism. This course emphasizes development of print media and imaging skills, typically through the production of the thematic body of work that is Southwood's yearbook. Creating community connections, visualizing school identity and culture, and responsible collaborative practices are vital parts of success in this course. Grade 12 students are typically given higher levels of responsibility in editorial and organizational roles within yearbook production.
12	AVI4MI Visual Arts	University College	AVI3MI	This comprehensive course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. Students will also make connections between various works of art in personal, historical, contemporary and cultural contexts. There will be an exhibition element to the course, where students organize and present their work for the school and community.

Business Studies

Grade	Course	Type	Prerequisite	Course Details
9	BB10I Introduction to Business	Open		A terrific introduction to the business world. Students will study business ownership models, management styles, human resources and production. This course lays the foundation for all future studies in business at high school including accounting, marketing, law and economics. Simulations and assignments are used to replicate real world dilemmas and decisions that businesses face. This course is also a great asset for students competing in DECA!
9	BTT10I Business Information and Communication Technology	Open		This course prepares students to be successful and improves their work in all other courses. BTT teaches students how to: perform effective online research; cite sources, design webpages and Google software such as Sheets, Slides, Docs and Forms on their chromebooks to their full potential. Students will also explore the impact technology has on our privacy and our social, emotional, physical and environmental well-being, developing strategies and healthy habits for using technology safely. This course is beneficial for all students.
10	BB120I Introduction to Business	Open	Not open to students who have taken BB10I	A terrific introduction to the business world. Students will study business ownership models, management styles, human resources and production. This course lays the foundation for all future studies in business at high school including accounting, marketing, law and economics. Simulations and assignments are used to replicate real world dilemmas and decisions that businesses face. This course is also a great asset for students competing in DECA! For students who did not take BB10I in Gr.9
10	BTT20I Business Information and Communication Technology	Open	Not open to students who have taken BTT10I	This course prepares students to be successful and improves their work in all other courses. BTT teaches students how to: perform effective online research; cite sources, design webpages and the Google software such as Sheets, Slides, Docs and Forms on their chromebooks to their full potential. Students will also explore the impact technology has on our privacy and our social, emotional, physical and environmental well-being, developing strategies and healthy habits for using technology safely. This course is beneficial for all students. This course is for students who did not take BTT in Gr. 9.
11	BAF3MI Financial Accounting Fundamentals	University College		Understanding how to interpret and analyze financial information is important for anyone interested in owning their own business or seeking employment in numerous business related careers. An accounting background will also aid individuals in making wise and prudent personal financial decisions. This course introduces students to the fundamental principles and procedures of accounting. Students will acquire an understanding of accounting for a service and a merchandising business, financial analysis, ethics and current issues in accounting and use accounting software. BAF3MI is a prerequisite for grade 12 accounting – BAT4MI
11	BMI3CI Marketing: Goods, Services, Events	College		This course introduces students to many marketing concepts that will help them in the personal and professional lives. Students will study demographics and target markets, examine the design of new products, pricing strategies, market research, and marketing ethics, and in the end put together a marketing plan to demonstrate their knowledge and skills. This is a great foundation course for anyone thinking about pursuing a career in business. This course is also a great asset for students competing in DECA!

Grade	Course	Type	Prerequisite	Course Details
11	BTA3OI Information & Communication Technology: The Digital Environment	Open		This course picks up where BTT 1OI and 2OI leave off. Students will develop advanced Microsoft application skills as we delve deeper into Word, Excel and Publisher. We will also explore more Google applications such as forms, and work to better utilize Google Drive tools and features. Students will also examine new software such as Microsoft Access. The course will finish with website design and the students creating an e-business. Great for their professional portfolio!
11	CLU3MI Understanding Canadian Law	University College		Gain a better understanding of your rights and the Canadian justice system! This introductory law course examines the evolution of law and human rights and investigates the Canadian criminal and civil law systems. The investigation of the Canadian legal systems includes visiting an Ontario court house and hearing from a variety of guest speakers from areas such as policing and correctional services. A beneficial course for any student.
12	BAT4MI Financial Accounting Principles	University College	BAF3MI	This course introduces students to advanced accounting principles that will prepare them for post secondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted to make better business decisions. The course further develops accounting methods for assets and liabilities and introduces accounting for partnerships, corporations, and sources of financing
12	CIA4UI Analysing Current Economic Issues	University	Any University or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities	Economics is the study of scarcity and the difficult choices that businesses, governments and individuals must make because of it. Economics studies the interaction and interdependence of all elements of society as they pursue their own goals. The course is a great foundation for post-secondary business studies as all first year business programs include an economics course.
12	BOH4MI Business Leadership: Management Fundamentals	University College		This course explores the changing nature and role of management in a business environment. In a technology driven world, where workplaces are more diverse than ever, what skills are necessary to lead employees and manage a successful business? Students will analyze the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation and planning. Effective business communication skills, ethics and social responsibility will also be examined.
12	CLN4UI Canadian and International Law	University	University or University/College prep course in Canadian and World Studies, Earth or Social Sciences	Study Canadian Law at the senior level! Some students enrolled in this course will have taken the grade 11 course, but it is not necessary. International law, Canadian civil and criminal law as well as human rights will all be covered in this course, with an emphasis on current cases from the media. Students taking this course will visit an Ontario Court and observe law cases in action!

Canadian and World Studies

Grade	Course	Type	Prerequisite	Course Details
9	CGC1DI 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. This course introduces students to Canadian geography and general geographic skills. This course is the best preparation for U-level courses. Opportunities for Pre-Advanced Placement (AP) will be offered in this course.
9	CGC1PI 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 a range of issues, including food and water supplies, competing land uses, and interactions with the natural environment, developing their awareness that issues that affect their lives are interconnected with issues in other parts of the world. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate choices related to sustainable living in Canada. This course introduces students to Canadian geography and general geographic skills.
10	CHC2DI Canadian History since World War 1	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.
10	CHC2PI Canadian History since World War 1	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.
10	CHV2OH Civics	Open		This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of

political issues and developments that are both of significance in today's world and of personal interest to them.

Grade	Course	Type	Prerequisite	Course Details
10	CGL231 Sustainable Living	Open *is not included as a Group 1*	CGC1DI or CGC1PI	Explore the impact of our lifestyle on the sustainability of the earth's resources and degradation of the environment. This course will encourage the development of the interpersonal, decision-making and practical skills necessary to make informed decisions concerning your daily activities and their impact on the environment. This course is recommended for students entering the Specialist High Skills Major Program - Environment Opportunities for Pre Advanced Placement (AP) will be offered in this course.
11	CGF3MI Forces of Nature: Physical Processes and Disasters	University College	CGC1DI or CGC1PI	This course examines Earth's physical patterns and processes and how they create natural disasters and can contribute to human disasters. Students will explore how physical processes related to Earth's water, land, and air, as well as interactions between these systems, can affect the planet and its people. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate Earth's natural processes, to make predictions related to natural disasters, and to create plans to prepare for and/or respond to them.
11	CGG3OI Travel and Tourism	Open	CGC1DI or CGC1PI	This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities.
11	CHG33I Genocide and Crimes Against Humanity	Open		In this university/college level course we will investigate crimes against humanity in the twentieth and twenty-first centuries, including the Armenian Genocide, the Holocaust, the killing fields of Cambodia, the Rwandan genocide and crimes against humanity in Darfur. Students will investigate the terms genocide, crimes against humanity, and war crimes, and explore them through the lens of historical analysis. Students will examine identify formation and how "in groups" and "out groups" are created, including analyzing how bias, stereotypes, prejudice, and discrimination impact on various groups. Students will use critical-thinking skills to evaluate the world's response, or lack thereof, to mass killings and also discuss the ways which active citizens may empower themselves to stop future genocides.
11	CHW3MI World History to the end of the Fifteenth Century	University College	CHC2DI or CHC2PI	This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras.
11	CLU3MI Understanding Canadian Law	University College	CHC2DI or CHC2PI	Learn all about the law and your rights! This is a foundation course which examines the evolution of law, human rights, criminal and civil law. This course will discuss and analyze current legal cases. Students taking this course will visit Ontario Court and observe law cases in action!

Grade	Course	Type	Prerequisite	Course Details
11	SVN3MI Environmental Science	University College ** is not included as a Group 1**	SNC2PI or SNC2DI	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.
12	CGR4EI Living in a Sustainable World	Workplace	CGC1DI or CGC1PI	This course examines the impact of human activity on the natural environment. Students will explore the use of natural spaces and resources and the effects of planning decisions and consumer choices on natural systems. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate practical solutions to environmental issues, enabling them to make more sustainable decisions at home, in the workplace, and in the local community.
12	CGR4MI Environment & Resource Management	University College	Any senior course in Canadian and World Studies, English, or the Social Sciences	This course explores interactions between the natural and human environment, with a particular focus on the impact of human activity on various ecosystems. Students will explore resource management and sustainability practices, as well as related government policy and international protocols. Applying the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, field trips, discussion, literature, and a large mandatory outdoor component, students will investigate the relationship between people and the natural environment and will propose approaches for developing more sustainable relationships, including environmentally responsible actions that support stewardship. Fee of \$30.00 to cover outdoor education trips, to "rare"
12	CGW4CI World Issues A Geographic Analysis	College	CGC1PI or CGC1DI	This course explores many difficult challenges facing Canada and the World today - challenges such as unequal access to food, water, and energy; urbanization, globalization; terrorism and conflict and meeting the needs of a growing world population while ensuring the sustainability of the natural environment.
12	CGW4UI Canadian and World Issues		Any University or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities	This course looks at the global challenge of creating a more sustainable and equitable world. Students will explore a range of issues involving environmental, economic, social, and geopolitical interrelationships, and will examine governmental policies related to these issues. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate these complex issues, including their impact on natural and human communities around the world.
12	CHY4UI The West and the World	University	Any university or university/college preparation course in Canadian and World Studies, English, or Social	This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of

			Sciences and Humanities	evidence, as they investigate key issues and ideas and assess societal progress or decline in world history.
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Grade	Course	Type	Prerequisite	Course Details
12	SES4UI Earth & Space Science	University ** is not included as a Group 1**	SNC2DI	This course focuses on the basic concepts and theories of Earth and space science, and their relevance to everyday life. Students will first study the origin and evolution of the universe, and then explore the materials and the internal and surficial processes of the Earth as they study the planet's history. The course draws on biology, chemistry, mathematics, and physics in its consideration of geological processes that can be observed directly or inferred from geological evidence. This is a dual credit course. Students earning 75% and above may earn a university science credit that is recognized by several universities. See your guidance counsellor or Mr. Bracey for details
12	CIA4UI Analyzing Current Economic Issues	University	University or University/College prep course in Canadian and World Studies, Earth or Social Sciences	Economics is the study of scarcity and the difficult choices that must be made. Economics studies the interaction and interdependence of all elements of society as they seek to make efficient decisions. This course is a great foundation for post-secondary business studies as all first year business programs include an economics course.
12	CLN4UI Canadian and International Law	University	University or University/College prep course in Canadian and World Studies, Earth or Social Sciences	Study Canadian Law at a senior level! Some students enrolled in this course will have taken the grade 11 course, but it is not necessary. All key aspects of law will be covered with an emphasis on current cases from the media. Students taking this course will visit Ontario Court and observe law cases in action!

Cooperative Education

Grade	Course	Type	Prerequisite	Course Details
11	DCO3OC *choose this course for first time coop*	Open	Application and review with coop teacher	This course consists of a learning experience connected to a community and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being and that will strengthen their inquiry, decision-making, and leadership skills. Students will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.
11	COP3OC (2 credit)	Open	Application and review with coop teacher	This course includes a community-connected experience and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students in their learning at school and beyond, while promoting health, safety, and well-being. Students will create and implement a learning plan that meets their particular interests and needs, reflect on learning, and make connections between their experience in the community and the application of knowledge and skills acquired in a related course. Alternatively, students may choose to strengthen their inquiry, decision-making, and leadership skills in a field related or unrelated to their in-school courses through a modified community-connected experience and additional in-school learning components.
12	COP4OC (2 credit)	Open	Application and review with coop teacher	This course includes a community-connected experience and a cooperative education curriculum that incorporates relevant expectations from the student's related in-school course. Students will develop skills, knowledge, and habits of mind that will support them in their related field of study and career/life planning, while promoting health, safety, and well-being. Students will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and making connections between their experience in the community and other aspects of their lives.

Special Education

Grade	Course	Type	Prerequisite	Course Details
9	GLE1OI Learning Strategies 1: Skills for Success	Open	Principal Recommendation Required	This course is designed to teach specific learning strategies, to help students to assess their own learning styles, and to accommodate individual learning needs. This course is for students with IEP's or Special Education department approval.
10	GLE2OI Learning Strategies 2: Skills for Success	Open	Principal Recommendation Required	Building on the GLE1OI, this course is designed to teach specific learning strategies with an emphasis on literacy and to accommodate individual learning needs. This course is for students with IEP's or Special Education department approval.
11	GLE3OI Advanced Learning Strategies 1: Skills for Success	Open	Principal Recommendation Required	This course is designed to teach specific strategies with an emphasis on post-secondary transitions, and to accommodate individual learning needs. This course is for students with IEP's or Special Education department approval.
12	GLE4OI Advanced Learning Strategies 2: Skills for Success	Open	Principal Recommendation Required	Building on the GLE3OI, this course is designed to teach specific learning strategies with an emphasis on post-secondary transitions, and to accommodate individual learning needs. This course is for students with IEP's or Special Education department approval.

Guidance and Career Education

Grade	Course	Type	Prerequisite	Course Details
10	GLC2OH Career Studies	Open (Compulsory)		Who are you? What do you want to be? Where are you going? What decisions do you need to be making? Find all this information and more in Career Studies. This is a 0.5 credit course.
11	GPP3OY Peer Helping	Open		Students provide leadership and academic assistance to peers in a classroom setting. Great for those thinking about teaching as a career.

French as a Second Language/International Languages

Grade	Course	Type	Prerequisite	Course Details
9	FSF1DI Core French	Academic		This course prepares students to continue in french at the Academic level through a variety of thematic reading, writing, listening and speaking activities. Opportunities for Pre Advance Placement (AP) will be offered through this course.
9	FSF1PI Core French	Applied		This course is intended to students who are not planning to pursue studies in French. Students will enhance their ability by reading, writing, listening and speaking activities.
10	FSF2DI Core French	Academic	FSF1DI	This course enables students to further develop their written and oral communication skills and to deepen their appreciation of francophone culture and the importance of languages through study of a variety of genres. Same workbook from 1DI. Opportunities for Pre Advanced Placement (AP) will be offered through this course.
11	FSF3UI Core French	University	FSF2DI	This course draws on a variety of themes to promote extensive development of reading, writing and oral communication skills. Students will gain a richer understanding of Francophone cultures in Canada and around the world.
12	FSF4UI Core French	University	FSF3UI	Students will consolidate their oral skills as they discuss francophone literature and culture. They will read a variety of genres and will produce a series of written assignments including a formal essay. Opportunities for Pre Advanced Placement (AP) will be offered in this course.
Level 2	LWSBDI Spanish (beginner)	Academic		This course is for students with no previous background in Spanish. It is an introductory program for all. Students will participate in a variety of activities that will develop language skills and an appreciation for the Spanish culture.
Level 3	LWSCUI Spanish (intermediate)	Academic	LWSBDI	This course provides opportunities to further develop knowledge and appreciation for the Spanish culture. Students will use increasingly sophisticated language dealing with a variety of reading, writing and oral activities.
Level 4	LWSDUI Spanish	Academic	LWSCUI	This course prepares students for study at university. Students will enhance their ability to use the Spanish language with clarity and precision in written assignments and oral presentations through a study of a variety of genres.

English

Grade	Course	Type	Prerequisite	Course Details
9	ENG1DI English	Academic		This course emphasizes reading and analysis of fiction and graphic texts. Here, we work to establish the Reading, Writing, Oral Communication and Media Studies skills that will be required throughout the Academic and University streams of high school English. An emphasis is placed on analysis and clear communication, and prepares students for Grade 10 Academic English.
9	ENG1PI English	Applied		This course establishes the fundamental streams of English for the Applied, College and Workplace streams. Get practical experience in Reading, Writing, Oral Communication and Media Studies. Build your skills to prepare for Grade 10 Applied English, with focus on clear communication and reading comprehension.
10	ENG2DI English	Academic	ENG1DI or ENG1PI	This course focuses on the coming of age theme, and continues to develop students' academic skills in Reading, Writing, Oral Communication, and Media Studies. An emphasis is placed on developing good quotation analysis, as well as making rich connections between texts and personal experiences. This course prepares students for Grade 11 English at the College or University level.
10	ENG2PI English	Applied	ENG1DI or ENG1PI	This course continues to develop the fundamentals of Reading, Writing, Oral Communication, and Media Studies. The emphasis is on writing longer texts, using organization and clear communication. Build connections between the texts you read, research, and personal experiences. This course prepares students for either the Workplace or College level Grade 11 English courses.
11	EMS3OI Media Studies	Open	ENG2DI or ENG2PI	We live in a world of media, so it's important that we understand how the media works and affects us all. In this course, we study media messages in advertising, film, television, popular music and video games. Learn to understand how media is put together, how to find hidden meanings, and how to write reviews. Use that knowledge to create your own media and develop your critical thinking skills.
11	ENG3CI English	College	ENG2PI	This course focuses on reading visual language in graphic texts and film, but also continues to focus on Reading, Writing, Media Studies, and Oral Communication. In this course, we emphasize strong technical writing that will be useful at the College Level or in the skilled trades. This course prepares students for Grade 12 College English.
11	ENG3EI English	Workplace	ENG2PI	The Grade 11 Workplace English course is designed to prepare students for Reading, Writing, Oral Communication, and Media Studies in the workplace and daily life. An emphasis is placed on using practical skills that would be required in any field of employment, as well as communicating clearly. This course will prepare students for the compulsory Grade 12 Workplace English course.
11	ENG3UI English	University	ENG2DI	The Grade 11 University course prepares students for the demands of academic and professional writing. An emphasis is placed on learning the history of the English language, as well as the literature that can be found in each of those historical periods. In this course, we establish the University level expectations for Reading, Writing, Oral Communication and Media Studies. ENG3UI will prepare students for Grade 12 University English.

Grade	Course	Type	Prerequisite	Course Details
12	ENG4CI English	College	ENG3CI	This course emphasizes the importance of students taking charge of their own skills as they prepare for the reading and writing required at the college level. An emphasis is placed on non-fiction reading and writing, as well as building on the technical skills required in those programs. Students will continue to build skills in Reading, Writing, Oral Communication, and Media Studies. This course will prepare students for college or the workplace.
12	ENG4EI English	Workplace	ENG3EI or ENG3CI	The Grade 12 Workplace English course will help students prepare for the reading and writing demands of daily life and the workplace. We continue to focus on Reading, Writing, Oral Communication, and Media Studies. An emphasis is placed on clear communication and the organization of ideas, as well as encouraging the importance of reading as a lifelong activity. This course may not qualify students for College admittance.
12	ENG4UI English	University	ENG3UI	The Grade 12 University English course is designed to prepare students for the expectations of University programs in Reading, Writing, Oral Communication, and Media Skills. An emphasis is placed on non-fiction and technical reading and writing, as well as teaching students to make use of subjective and objective styles to adapt their writing to a range of situations. This course is intended to prepare students for University or College.

Health and Physical Education

Grade	Course	Type	Prerequisite	Course Details
9	PPL1OX Healthy Active Living (Female)	Open		This course emphasizes students daily participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will investigate issues around healthy eating, personal safety and injury prevention, substance use, addictions and related behaviours, and human development and sexual health. They will also get trained in CPR.
9	PPL1OY Healthy Active Living (Male)	Open		This course emphasizes students' daily participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will investigate issues around healthy eating, personal safety and injury prevention, substance use, addictions and related behaviours, and human development and sexual health. They will also get trained in CPR.
10	PAF2OX Personal Fitness (Female)	Open		This course is an introduction to personal fitness. Most activities are fitness based. Students will investigate issues around healthy eating, personal safety and injury prevention, substance use, addictions and related behaviours, and human development and sexual health.
10	PAF2OY Personal Fitness (Male)	Open		This course is an introduction to personal fitness. Most activities are fitness based. Example: cross training, weight and resistance training, self defense, plyometrics, aerobic and anaerobic training etc. Students will investigate issues around healthy eating and supplements.
10	PPL2OX Healthy Active Living (Female)	Open		This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will investigate issues around healthy eating, personal safety and injury prevention, substance use, addictions and related behaviours, and human development and sexual health.
10	PPL2OY Healthy Active Living (Male)	Open		This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will investigate issues around healthy eating, personal safety and injury prevention, substance use, addictions and related behaviours, and human development and sexual health.
11	PAF3OX Personal Fitness (Female)	Open		This course focuses on advanced personal fitness. Most activities are fitness based, and may include cross training, weight and resistance training, plyometrics, aerobic and anaerobic training. Students will investigate issues around healthy eating, and supplements.
11	PAF3OY Personal Fitness (Male)	Open		This course focuses on advanced personal fitness. Most activities are fitness based, and may include cross training, weight and resistance training, plyometrics, aerobic and anaerobic training. Students will investigate issues around healthy eating, and supplements.
11	PPL3OX Healthy Active Living (Female)	Open		This course emphasizes regular participation in a variety of enjoyable activities that promote lifelong healthy active living. Students will investigate issues around healthy eating, personal safety and injury prevention, substance use, addictions and related behaviours, and human development and sexual health.
11	PPL3OY Healthy Active Living (Male)	Open		This course emphasizes regular participation in a variety of enjoyable activities that promote lifelong healthy active living. Students will investigate issues around healthy eating, personal safety and injury prevention, substance abuse, addictions and related behaviours, and human development and sexual health.

Grade	Course	Type	Prerequisite	Course Details
11	PPZ3CI Health for Life (Co-ed)	Open		This is a classroom course with no activity component. This course will focus on determinants of health, wellness, and healthy communities. This course is designed to equip students with the knowledge and skills they need for most college programs that involve health.
12	PAF4OI Personal Fitness (Co-ed)	Open		This course focuses on advanced personal fitness. Most activities are fitness based, and may include cross training, weight and resistance training, plyometrics, aerobic and anaerobic training. Students will investigate issues around healthy eating, and supplements.
12	PLF4MI Recreation and Healthy Active Living Leadership	University or College	Any health and physical education course	This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical education and health and kinesiology and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership.
12	PPL4OI Healthy Active Living Off Campus (Co-ed)	Open		This course emphasizes the regular participation in a variety of enjoyable activities that promote lifelong healthy active living. Students will have the option to pick the activities they want. Activities are off campus and at Southwood. If you choose activities off campus, there may be a fee and you will need to find your own way there. There will always be a free Southwood option.
12	PSK4UI Introductory Kinesiology	University	Any Grade 11 university, or university/college prep course in science, or any Grade 11 or 12 course in Health and Physical Ed.	This course focuses on the study of human movement and of systems, factors and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration.

Indigenous Studies

Grade	Course	Type	Prerequisite	Course Details
11	NDA3MI Current Indigenous Issues in Canada	University College	Aboriginal Peoples in Canada, Grade 10, Open or Canadian History in the Twentieth Century, Grade 10, Academic or Applied	This course focuses on existing and emerging issues of importance to Indigenous peoples in Canada. Students will investigate issues related to identity, relationships among Indigenous peoples and between Indigenous peoples and other Canadians, sovereignty principles as presented by Indigenous peoples, and the contemporary challenges posted by these issues. Students will also examine such topics as language preservation, the responsibilities of Aboriginal women and men, and the need for dialogue between Indigenous and non-Indigenous peoples.
12	NDW4MI Issues of Indigenous People in a Global Context	University College	Any Grade 11 university, university/college or college prep course	This course provides students with an overview of the issues and challenges that confront Indigenous peoples worldwide. Students will develop an understanding of the concerns and aspirations of the world's Indigenous population, plan and conduct research on global issues that have an impact on Indigenous peoples, and use information technology to consult materials related to the views of Indigenous peoples throughout the world.

Interdisciplinary Studies

Grade	Course	Type	Prerequisite	Course Details
11	IDC3OX Student Leadership I	Open		This course will introduce students to basic leadership theories as they pursue leadership roles in the school and community. Students will study and apply theory while developing skills in the areas of planning/goal setting, problem solving, conflict resolution, group dynamics, teamwork, self-awareness and communication. Students will develop the skills and knowledge to support them in pursuing a variety of leadership roles by leading charity events and fundraisers, dances, grade 8 orientation, lunch time activities, school photo days and much more.
12	IDC4OX Student Leadership II	Open	IDC3OX	This course picks up where IDC3OX leaves off, studying advanced theories of leadership with a focus on distributive leadership, delegation skills, level 5 leadership, and mentoring. Students will have the opportunity to explore the concepts of Emotional and Social Intelligence as it pertains to leadership, to shadow leaders in our community, and to teach leadership concepts to the class. This course is open to students in their second or third year of Student Council
12	IDC4UX Leadership	University	Any university, or university/college prep course	Leadership rests at the center of all successful teamwork; it brings about meaningful change and growth; and sits at the core of a healthy and productive school community. To act as a leader one needs to develop a healthy sense of self and a capacity for critical thinking and reflective practice. This course is founded on the philosophy that we are all leaders and that we all possess the potential to be great leaders. With this in mind, the purpose of this course is two-fold. First, it is to explore the concepts and theories of leadership and second it is to put into practice effective leadership skills while planning school events and activities.

Mathematics

Grade	Course	Type	Prerequisite	Course Details
9	MTH1WI Math	Open		In the summer of 2020, the Ministry of Education announced a new Grade 9 math course which will be the compulsory Grade 9 math course in all Ontario schools effective September 2021. As details become available we will share with our community, including the implications for our school designated programs and magnet programs. This new curriculum will be a continuation of the grade 8 curriculum.
10	MPM2DI Principles of Math	Academic	MTH1WI	This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
10	MFM2PI Foundations of Mathematics	Applied	MTW1WI or MFM1PI or MPM1DI	This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
11	MBF3CI Foundations for College Math	College	MFM2PI or MFM2DI	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.
11	MCF3MI Functions and Applications	University College	MPM2DI or MFM2PI	This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems. Prerequisite: MPM2DI or very successful completion of MFM2PI

Grade	Course	Type	Prerequisite	Course Details
11	MCR3UI Functions	University	MPM2DI	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.
11	MEL3EI Mathematics for Work and Everyday Life	Workplace	MAT1LI or MFM1PI or MFM1DI	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.
12	MAP4CI Foundations for College Math	College	MBF3CI or MCF3MI	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.
12	MCT4CI Mathematics for College Technology	College	MCF3MI or MCR3UI	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.
12	MDM4UI Mathematics of Data Management	University	MCR3UI is recommended MCF3MI should consult with the teacher	This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analyzing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates 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: MCR3UI or very successful completion of MCF3MI.

Grade	Course	Type	Prerequisite	Course Details
12	MEL4EI Mathematics for Work and Everyday Life	Workplace	MEL3EI	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.
12	MHF4UI Advanced Functions	University	MCR3UI or MCT4CI	This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. Prerequisite: MCR3I or a very successful completion of MCT4CI.
12	MCV4UI Calculus and Vectors	University	The new Advanced Functions course (MHF4U) must be taken prior to or concurrently with Calculus and Vectors (MCV4U)	This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.

Science

Grade	Course	Type	Prerequisite	Course Details
9	SNC1DI 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.
9	SNC1PI 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.
10	SNC2DI Science	Academic	SNC1DI or SNC1PI	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 change; and the interaction of light and matter.
10	SNC2PI Science	Applied	SNC1PI or SNC1DI	This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.
11	SBI3CI Biology	College	SNC2DI or SNC2PI	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. \$5.00 dissection enhancement fee may be collected from students interested in participating.

Grade	Course	Type	Prerequisite	Course Details
11	SBI3UI Biology	University	SNC2DI	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. \$5.00 dissection enhancement fee may be collected from students interested in participating.
11	SCH3UI Chemistry	University	SNC2DI	This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.
11	SPH3UI Physics	University	SNC2DI	This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics and technology, and consider the impact of technological applications of physics on society and the environment. It is recommended that students have MPM2DI prior to taking this course.
11	SNV3MI Environmental Science	University College *is not included as a Group 1*	SNC2PI or SNC2DI	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.
12	SBI4UI Biology	University	SBI3UI	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.

Grade	Course	Type	Prerequisite	Course Details
12	SCH4CI Chemistry Grade 11 students may take this course	College	SNC2DI or SNC2PI	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.
12	SCH4UI Chemistry	University	SCH3UI	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.
12	SES4UI Earth and Space Science	University * Is not included as a Group 1*	SNC2DI	This course focuses on the basic concepts and theories of Earth and Space Science, and their relevance to everyday life. Students will first study the origin and evolution of the universe, and then explore the materials and the internal and surficial processes of the Earth as they study the planet's history. The course draws on biology, chemistry, mathematics, and physics in its consideration of geological processes that can be observed directly or inferred from geological evidence. This is a dual credit course. Students earning 75% and above may earn a university science credit that is recognized by several universities. See your guidance counsellor or Mr. Bracey for details.
12	SPH4UI Physics	University	SPH3UI	This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data 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.

Social Sciences and Humanities

Grade	Course	Type	Prerequisite	Course Details
9	HFN1OI Food And Nutrition	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 explore the environmental impact of a variety of food choices at the local and global level. This course provides students with many opportunities to develop food-preparation skills. Students will participate in food challenges to gain more experience and confidence in the kitchen.
10	HIF2OI Exploring Family Studies	Open		Are you interested in learning about adolescent development, healthy relationships, mental health and well-being, how to communicate more effectively with family and friends, or skills to help you manage when you live on your own? Would you like to learn how to be a better cook, make smart food choices, or learn how to sew? This course explores many topics to become a responsible member of your family and society.
10	HFN2OI Food and Nutrition	Open	Not open to students who have taken HFN1OI	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 explore the environmental impact of a variety of food choices at the local and global level. This course provides students with many opportunities to develop food-preparation skills. Students will participate in food challenges to gain more experience and confidence in the kitchen.
11	HPC3OI Raising Healthy Children	Open		What kind of parent do you want to be? Find out more by using the Baby Simulators. Learn about pregnancy, prenatal development, labour and delivery. Study infant growth and development. Develop attitudes and skills for effective parenting. Learn ways to communicate and discipline younger children. This is an excellent course for students interested in working with children someday.
11	HPW3CI Working with Infants and Young Children	College		This course prepares students for occupations involving children from birth to six years of age. Students will study theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with young children. Students will become familiar with occupational opportunities and requirements related to working with infants and young children. Students will plan and organize a Toddler Day at the school.
11	TFJ3CI Hospitality	College	HFN1OI or HFN2OI strongly suggested	Students will acquire fundamental skills in food handling and preparation, health and safety standards, and the tools of the Hospitality trade. Students will participate in opportunities to prepare food for special events and explore careers in the Hospitality and Tourism industries. This course satisfies a graduation requirement (Group 3) and is a great course for a would-be-chef. It is also an excellent course for fo-op culinary experience.

Grade	Course	Type	Prerequisite	Course Details
12	HFA4CI Nutrition and Health	College	Any university, college university/college preparation course in social sciences and humanities, English, or Canadian and world studies.	This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production. Students will investigate the role of nutrition in health and disease and assess strategies for promoting food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and refine their ability to use social science research and inquiry methods to investigate topics related to nutrition and health.
12	HFA4UI Nutrition and Health	University	Any university, college university/college preparation course in social sciences and humanities, English, or Canadian and world studies.	This course examines the relationship 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.
12	HNB4MI The World of Fashion	University College	Any university, college university/college preparation course in social sciences and humanities, English, or Canadian and world studies.	This course gives students the opportunity to explore the world of fashion. Students will learn how to create a fashion product using various tools, techniques and technologies while developing their practical skills. Students will learn about various factors that affect the global fashion industry, the needs of specialized markets, and the impact of fibre and fabric production and care. In addition, they will learn about social and historical influences on fashion. Students will research skills when investigating aspects of the fashion world. Students will plan and organize a fashion show at the school. Some previous sewing experience is expected. There is a lab fee of \$20.00 to cover expenses for advanced sewing projects.
12	HHS4UI Families in Canada	University	Any university, college university/college preparation course in social sciences and humanities, English, or Canadian and world studies.	This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigation skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. Hot Topics will be discussed during Family Forum Friday's Topics include: alcohol and drug abuse, same-sex marriage, depression, arranged marriage and reproductive technology.
12	TFJ4EI Hospitality	Workplace	HFN1OI/201 or TFJ3CI strongly recommended	Students will advance their skills in food preparation and presentation, safe and secure practices, and use of equipment and tools. Students will participate in opportunities to prepare food for special events and further explore careers in the Hospitality and Tourism industries. Students will have various opportunities for experiential learning through baking and culinary workshops. This is an excellent course for co-op culinary experience. Students will have the opportunity to earn a Food Handlers certificate and Smart Serve training.

History

Grade	Course	Type	Prerequisite	Course Details
11	HSB3CI Anthropology, Psychology, and Sociology	College		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 and research, and to become familiar with current issues within the three disciplines.
11	HSP3UI Anthropology, Psychology, and Sociology	University	ENG2DI or CHC2DI	This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science and to become familiar with current thinking on a range of issues within the three disciplines.
12	HSB4UI Challenge and Change in Society	University	Any university or university/college prep course in Canadian & World Studies, English or Social Science	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 response 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.
12	HZT4UI Philosophy: Questions & Theories	University	Any university, or university/college prep course in Social Sciences and Humanities, English or Canadian World Studies	This course offers an introduction to the three main areas of Philosophy. It focuses on the main questions from the history of Western Philosophy: What is the nature of reality? What is knowledge? What is the right way to live? Philosophy has many connections to other areas of study, and is worth considering for students interested in Science. The Humanities, History, or Social Sciences. Students will explore a range of answers to the core questions in Philosophy and formulate their own responses.

Technological Education

Ontario Youth Apprenticeship Program (OYAP)

OYAP is a **specialized cooperative education program** that provides students with an opportunity to experience a skilled trade, at the apprenticeship level while completing their Ontario Secondary School Diploma requirements.

OYAP programs may begin in either grade 11 or 12.

Students participating in cooperative education in any apprenticeship trade area will be considered to be in the OYAP program..

Acceptance into OYAP requires additional paperwork and screening procedures. If you are interested in OYAP, please choose one of the coop codes listed below. You will indicate your interest in OYAP once you have received your Coop application form.

Grade	Course	Type	Prerequisite	Course Details
11	DCO3OC	Open	Application and review with Co-op teacher.	This course consists of a learning experience connected to a community and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students in their learning, including their education/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply skills, knowledge and habits of mind that will protect and promote their health, safety, and well-being and that will strengthen their inquiry, decision-making, and leadership skills. Students will create and implement a learning, and make connections between their experience in the community and other aspects of their lives.
11	COP3OC	Open	Application and review with Co-op teacher.	This course includes a community-connected experience and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students in their learning at school and beyond, while promoting health, safety, and well-being. Placement choices will be limited to the sector associated with the students selected SHSM program. Students will create and implement a learning plan that meets their particular interests and needs, reflect on learning, and make connections between their experience in the community and the application of knowledge and skills required in a related course
12	COP4OC	Open	Application and review with Co-op teacher.	This course includes a community-connected experience and a cooperative education curriculum that incorporates relevant expectations from the student's related in-school course. Students will develop skills, knowledge, and habits of mind that will support them in their related field of study and career/life planning, while promoting health, safety and well-being. Placement choices will be limited to the sector associated with the student's selected SHSM program. Students will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives and formal education.

Technological Studies

Grade	Course	Type	Prerequisite	Course Details
9	TJ1OI Exploring Technologies	Open		This course enables students to explore and develop technological knowledge and skills. Students will design and create products and/or provide services related to technological sectors, working with a variety of tools, equipment, materials and software. Students will begin to explore secondary learning pathways possibilities leading to careers in technology related fields.
10	TCJ2OI Construction	Open		This course introduces students to construction through project design and building. Students will become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations using hand and power tools. Students will explore secondary and postsecondary career pathways in the construction industry.
10	TDJ2OI Technological Design Communications	Open		Introduction to engineering problem solving, model building, model testing and communication graphics and processes. Students will use tools, equipment and software, including 3D graphics and 3D printing, to design and prototype solutions to engineering and communications challenges.
10	TMJ2OI Machining & Welding Processes	Open		This is a broad based course that introduces students to precision machining and welding. Students will gain skills in these areas using a variety of tools, processes and equipment. Students will showcase that they have learned throughout the semester through their projects.
10	TTJ2OI Transportation Automotive Services	Open		This course introduces students to the service and maintenance of today's modern and recreation vehicles. A "hands on" course where students develop practical knowledge to demonstrate the safe and correct use of a variety of maintenance and repair procedures.
11	TCJ3CI Home Renovation & Repair	College		An introduction to home repair and renovation. This course is project oriented and includes carpentry, woodworking, plumbing, electrical, drywalling and painting.
11	TDJ3MI Engineering and Architecture	University College		The focus of this course is engineering problem solving, model building and model testing using tools, equipment and software, including 3D graphics and 3D printing, to develop and test solutions to engineering challenges and architectural design, drawing and presentation.
11	TFJ3CI Hospitality	College	HFN1OI or HFN2OI strongly recommended	Students will acquire fundamental skills in food handling and preparation, health and safety standards, and the tools of the Hospitality trade. Students will participate in opportunities to prepare food for special events and explore careers in the Hospitality and Tourism industries. This course satisfies a graduation requirement (Group 3) and is a great course for a would-be-chef. It is also an excellent course for Co-op culinary experience. HFN1OI or HFN2OI strongly recommended.
11	TGJ3MI Communications	University College		Communications systems, design and processes in the areas of production, planning, staging, scripting and story-boarding, 3D animation, video and audio post production, web design and graphic design products and communications.
11	TMJ3CI Machining & Welding Processes	College		Students will further develop skills in machining, CNC, tool and die, welding, and millwrighting. This course is activity based with students learning and applying industry standard skills through highly detailed activities and projects.

Grade	Course	Type	Prerequisite	Course Details
11	TMW3EX Welding	Workplace		This course is designed to enhance the knowledge, skills and safe practices in Welding in accordance with industry standards. It covers core competencies such as setting up all Welding Equipment, preparing materials, and welding with arc welders and MIG welders through many classroom activities and projects.
11	TTJ3CI Auto Mechanics	College		This course examines the infrastructure required for the operation of modern and leisure vehicles. Students will design, construct, and modify vehicles, and apply safe work practices and procedures using current technology. Emphasis on components and their operation will prepare students for career opportunities in the transportation sector.
11	TTA3CX Vehicle Service	College		Focus on auto service/auto mechanics/auto technician. Trade and manufacturers procedure development. Students will work on real life repair situations. This course also places emphasis on practical shop skills by including a wide range of Transportation-related repair challenges, such as small engines, off road vehicles and other forms of transportation products.
12	TCJ4CI Home and Renovation Repair	College	TCJ3CI	This course further develops various areas of home renovation and home repair, including carpentry, woodworking, and plumbing, electrical, drywalling and painting.
12	TDA4MX Architecture	University College	Any Grade 11 university or university/college course	Introduction to Architecture: This course will provide students with an overview of the role of architecture and the architect in society both today and throughout history, the role of architecture in defining culture and civilization, the impact of technology and the role of engineering in architecture, the practical skills of the architect, artistic and cultural interpretation in design and the social considerations of architectural planning and design. The course will focus entirely on historic, commercial and public architectural design.
12	TDJ4MI Engineering	University College	TDJ3MI	Engineering problem solving, model building and model testing focusing on mechanical and virtual systems and coding and using tools, equipment and software, including 3D graphics and 3D printing, to develop and test solutions to engineering challenges. An excellent course for students interested in design, engineering, and/or science at university or college.
12	TFJ4EI Hospitality & Tourism Cooking Emphasis	Workplace	HFN1OI/2OI or TFJ3CI strongly recommended	Students will advance their skills in food preparation and presentation, safe and secure practices, and use of equipment and tools. Students will participate in opportunities to prepare food for special events and further explore careers in the Hospitality and Tourism Industries. Students will have various opportunities for experiential learning through baking and culinary workshops. This is an excellent course for Co-op culinary experience. Students will have the opportunity to earn a Food Handlers Certificate and Smart Serve Training
12	TGJ4MI Communications	University College	TGJ3MI	Communications systems, design and processes in the areas of production planning, staging, scripting and story-boarding, 3D animation, video and audio post production, web design and graphic design products and communications. An excellent course for students interested in design, animation, communication, and/or media arts at university or college

Grade	Course	Type	Prerequisite	Course Details
12	TMJ4CI Machining Processes	College	TMJ3CI	This course is designed to prepare students for a career in the manufacturing sector. Students should be at the pre-apprenticeship level when they successfully pass this course. Students will gain experience with Conventional and CNC Machining, Tool and Die, Welding, and Millwrighting. This course is activity based, and requires much attention to detail.
12	TMW4EX Welding	Workplace	TMW3EX	The focus of this course is on advanced welding techniques and more in depth study of Oxy-Acetylene, Arc and MIG welding. Students will also have the chance to use a TIG welder. Students will further develop their skills by completing more in depth classroom activities and projects, and further their knowledge in blueprint reading.
12	TTJ4CI Auto Mechanics, Vehicle Service	College	TTJ3CI	Students will solve problems related to vehicles and transportation systems; examine transportation-related issues such as energy conversion, power transfer, control systems, and environmental and societal impact. An emphasis is made on employable diagnostic and repair skills to prepare students for career opportunities in the transportation sector.
12	TTA4CX Auto Mechanics, Basic Vehicle Service	College	TTA3CX	Focus on auto service/auto mechanic/auto technician. Trade and manufacturers procedure development. This course also places emphasis on practical shop skills by including a wide range of Transportation-related repair challenges, such as small engine, off road vehicles and other forms of transportation products.

GRADE 9 COURSES

Compulsory Courses

Elective Courses

Geography		Music	
CGC1DI	Geography of Canada (Academic)	AMI1OI	Instrumental Music (experienced)
CGC1PI	Geography of Canada (Applied)	AMI1OX	Instrumental Music (beginner)
		AMV1OI	Vocal/Choral Music
English		Art	
ENG1DI	English (Academic)	AVI1OI	Visual Arts
ENG1PI	English (Applied)		
French		Business	
FSF1DI	French (Academic)	BBI1OI	Introduction to Business
FSF1PI	French (Applied)	BTT1OI	Technology in Business
Mathematics		Family Studies	
MTH1WI	Math	HFN1OI	Food and Nutrition
Science		Physical Education	
SNC1DI	Science (Academic)	PPL1OX	Healthy Active Living (Females)
SNC1PI	Science (Applied)	PPL1OY	Healthy Active Living (Males)
		Technology	
		TIJ1OI	Exploring Technologies
		Guidance	
		GLE1OI	Learning Strategies 1

GRADE 10 COURSES

Code	Course Title	Code	Course Title
ADA2OI	Dramatic Arts	GLC2OH	Career Studies
AMG2OI	Guitar	GLE2OI	Learning Strategies
AMI2OI	Instrumental Music - Band		
AMV2OI	Vocal/Choral Music	HFN2OI	Food And Nutrition
AVI2OI	Visual Arts	HIF2OI	Exploring Family Studies
AWS2OI	Computer Graphics		
BBI2OI	Introduction to Business	MPM2DI	(Academic) Mathematics
BTT2OI	Information Technology in Business	MFM2PI	(Applied) Mathematics
CHC2DI	(Academic) History	PAF2OX	Personal Fitness (Females)
CHC2PI	(Applied) History	PPL2OX	Healthy Active Living (Females)
CHV2OH	Civics	PAF2OY	Personal Fitness (Males)
CGL23I	Sustainable Living	PPL2OY	Healthy Active Living (Males)
ENG2DI	(Academic) English	SNC2DI	(Academic) Science
ENG2PI	(Applied) English	SNC2PI	(Applied) Science
FSF2DI	Core French	TCJ2OI	Construction Technology
LWSBDI	Spanish - Beginner	TDJ2OI	Technological Design
		TMJ2OI	Machine & Welding Process
		TTJ2OI	Transportation Automotive Service

Note: The fifth character in the course code indicates the destination.

GRADE 11 COURSES

Code	Course Title	Code	Course Title
ADA3MI	Dramatic Arts	IDX3OX	Student Leadership 1
AMG3OI	Guitar		
AMI3MI	Instrumental Music - Band	MBF3CI	Foundation for College Mathematics
AMV3MI	Vocal/Choral Music	MCF3MI	Functions and Applications
ASM3MI	Media Arts (Yearbook)	MCR3UI	Functions
AVI3MI	Visual Arts	MEL3EI	Mathematics for Work & Everyday Life
AWQ3MI	Digital Photography		
AWQ3OI	Digital Photography	NDA3MI	Current Aboriginal Issues in Canada
BAF3MI	Financial Accounting	PAF3OX	Personal Fitness (Females)
BMI3CI	Marketing	PAF3OY	Personal Fitness (Males)
BTA3OI	The Digital Environment	PPL3OX	Healthy Active Living (Females)
		PPL3OY	Healthy Active Living (Males)
CGL23I	Sustainable Living	PPZ3CI	Health for Life (Co-ed)
CGF3MI	Physical Geography		
CGG3OI	Travel and Tourism	SBI3CI	College Biology
CHG331	Genocide and Crimes Against Humanity	SBI3UI	University Biology
CHW331	World History	SCH3UI	University Chemistry
CLU3MI	Canadian Law	SPH3UI	University Physics
		SVN3MI	Environmental Science
EMS3OI	Media Studies		
ENG3CI	(Applied) English	TCJ3CI	Home Renovation and Repair
ENG3EI	(Workplace) English	TDJ3MI	Engineering and Architecture
ENG3UI	(Academic) English	TFJ3CI	Hospitality
		TGJ3MI	Communications
FSF3UI	Core French	TMJ3CI	Manufacturing
LWSCUI	Spanish-Intermediate	TMW3EX	Welding
		TTJ3CI	Auto Mechanics - Vehicle Service
GPP3OY	Peer Helping	TTA3CX	Vehicle Service
GLE3OI	Advanced Learning Strategies 1		
COP3OC	Coop		
HPC3OI	Raising Healthy Children		
HPW3CI	Working with Infants and Young Children		
HSP3CI	Anthropology, Psychology & Sociology		
HSP3UI	Anthropology, Psychology & Sociology		

**Note: The fifth character in the course code indicates the destination
 U = University M = University/College C = College E = Workplace O = Open**

GRADE 12 COURSES

Code	Course Title	Code	Course Title
ADA4MI	Dramatic Arts	MAP4CI	Foundations for College Mathematics
AMI4MI	Instrumental Music - Band	MCT4CI	Mathematics for College Technology
AMV4MI	Vocal/Choral Music	MCV4UI	Calculus and Vectors
ASM4MI	Media Arts	MDM4UI	Mathematics of Data Management
AVI4MI	Visual Arts	MEL4EI	Mathematics for Work and Everyday Life
		MHF4UI	Advanced Functions
BAT4MI	Financial Accounting Principles		
BOH4MI	Business Management Fundamentals	NDW4MI	Issues of Indigenous People in a Global Context
CIA4UI	Analyzing Current Economic Issues	PAF4OI	Personal Fitness (Co-ed)
CLN4UI	Current and International Law	PLF4MI	Recreation & Healthy Active Living
CGR4EI	Living in a Sustainable World	PPL4OI	Active Living Off Campus (Co-ed)
CGR4MI	Environmental & Resource Management	PSK4UI	Introductory Kinesiology
CGW4UI	Canadian and World Issues		
CGW4CI	World Issues - A Geographic Analysis	SBI4UI	(University) Biology
CHY4UI	The West and the World	SCH4CI	(College) Chemistry
		SCH4UI	(University) Chemistry
ENG4CI	(College) English	SES4UI	(University) Earth and Space Science
ENG4EI	(Workplace) English	SPH4CI	(College) Physics
ENG4UI	(University) English	SPH4UI	(University) Physics
FSF4UI	Core French	TCJ4CI	Home Renovation and Repair
LWSDUI	Spanish	TDA4MX	Architectural Design
		TDJ4MI	Engineering
GLE4OI	Advanced Learning Strategies 2	TFJ4EI	Hospitality & Tourism-Cooking
COP4OC	Cooperative Education	TGJ4MI	Communications
		TMJ4CI	Manufacturing Technology
HFA4CI	Nutrition & Health	TMW4EX	Welding
HFA4UI	Nutrition & Health	TTJ4CI	Auto Mechanics, Vehicle Service
HHS4UI	Families in Canada	TTA4CX	Vehicle Service
HNB4MI	The World of Fashion		
HSB4UI	Challenge and Change in Society		
HZT4UI	Philosophy: Questions & Theories		
IDC4OX	Student Leadership 11		
IDX4UX	Leadership - University		

**Note: The fifth character in the course code indicates the destination
U = University M = University/College C = College O = Open**

Application to University requires an OSSD; including successful completion of 6 4U or 4M courses. Certain prerequisites exist for various programs - see your guidance counselor or www.electronicinfo.com for more information.

Application for College requires an OSSD; some programs list **specific course requirements**. See the college calendar www.ontariocolleges.ca or your guidance counselor for details.

Credit Codes Sorted by Group

Group One - 1 additional credit in:

English (OLC3O, OLC4O, EMD3O, ETS4U, EWC4U)

French ** (FSF2D, FSF3U, FSF4U)

Spanish (LWSBDI, LWSCU, LWSDUI)

Social Science and the Humanities (HFN1O, HFN2O, HNC3C, HPC3O, HPW3C, HFA4U, HHS4U, HNB4M, HSP3C, HSP3U, HSB4U, HZT4U)

Canadian and World Studies (CGF3M, CGG3O, CHW3M, CLU3M, CGR4E, CGR4U, CHY4U, CIA4U, CLN4U)

Guidance and Career Education (GPP3O) or Cooperative Education***

Group Two - 1 additional credit in:

Health and Physical Education (PPL1O, PPL2O, PPL3O, PPL4O, PAF2O, PAF3O, PAF4O, PPZ3C, PLF4M, PSK4U)

Arts (AMI1O, AMI2O, AMI3M, AMI4M, AMV1O, AMV2O, AMV3M, AMV4M, AVI1O, AVI2O, AVI3M, AVI4M, ADA2O, ADA3M, ADA4M, AMG2O, AMG3O, AWS2O, ASM3M, ASM4M, AWQ3O, AWQ3M)

Business Studies (BTT1O, BBT2O, BBI1O, BBI2O, BAF3M, BMI3C, BTA3O, BAT4M, BOH4M)

French** (FSF2D, FSF3U, FSF4U)

Cooperative Education***

Group 3 - 1 additional credit in:

Science (SBI3C, SBI3U, SCH3U, SCH4U, SCH4C, SPH3U, SPH4U, SPH4C)

Technological Education (TIJ1O, TDJ2O, TMJ2O, TTJ2O, TCJ2O, TCJ3C, TDJ3M, TFJ3C, TGJ3M, TMJ3C, TMW3E, TTJ3C, TTA3C, TCJ4C, TDA4M, TDJ4M, TFJ4E, TGJ4M, TMJ4C, TMW4E, TTJ4C, TTA4C)

French (FSF2D, FSF3U, FSF4U)

Computer Studies (ICS3U, ICS4U)

Cooperative Education

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

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

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