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2011 – 2012 ADMINISTRATION

Principal:	Jessica Silver
Vice-Principal:	Brent Pickering
Assistant Vice-Principal:	Kelly Roantree

DEPARTMENT HEADS

Active Living: (Physical Education, Athletics)	Jo Ann Brown
Global Studies: (History, Geography, Law, Sociology, Modern Languages)	Duncan McGregor
English:	Andrea Clarke
Mathematics, Business:	Jaime Swaine
Science:	Garry Rasmussen
Special Programs:	Jeff Sanderson
Technological Studies, Computer: (Communication, Construction, Manufacturing, Transportation & Hospitality)	Mike Mol
Arts, Moderns	Mike Verner
Student Services, Guidance	Steve Kearns
Lead Student Success Teacher:	Michelle Fraser
Cooperative Education Teacher:	Brian Rombough

Front cover designed by Lucas Howatson

Sydenham High School

Course Calendar 2011-12

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Section One

VISION

Providing innovative learning opportunities for all students

PRINCIPAL'S MESSAGE

- Our mission at Sydenham High School is to foster a safe and inclusive community which celebrates spirit, tradition, and success for all. We work hard to ensure that our students achieve academic success, and we are diligent about providing many opportunities for students to explore different areas of interest throughout their years in secondary school. We are proud to offer educational programs which extend beyond the traditional classroom setting, and many opportunities exist at SHS for students to explore different pathways; leading to work, apprenticeships, college and university.

- At Sydenham High School, students are provided with innovative and creative learning opportunities, and are supported by all staff to be their best. We are very proud of the accomplishments of our students. SHS students consistently have a credit attainment rate, and graduation rate that are higher than the provincial average. Our students do very well on the Grade 9 EQAO Math Assessment, as well as the Ontario Secondary School Literacy Test.

- Sydenham High School also provides students with a learning environment rich in opportunities to become engaged outside of the classroom. SHS has a long history of outstanding arts and athletics programs, clubs and other co-curricular activities where students can become involved, and be leaders within the school. The school spirit is very strong at SHS, and our staff and students support each other in all activities, both in the classroom and during co-curriculars.

- This course calendar is full of information which will help you to make informed decisions about your future. I encourage you and your family to read carefully through the course calendar, and to consult with your teachers, counsellors and administrators as you select courses for the 2011-2012 school year. If you aren't sure about your course selection, or have questions about any courses, make sure you ask! Plan carefully to ensure that you are meeting your interests and your educational goals as you select courses for 2011-2012. There are many opportunities available to students at SHS, and I hope that you take advantage of many of them as a Golden Eagle!

-
- Jessica Silver
- Principal

OUR MISSION STATEMENT

At Sydenham we strive to foster a safe and inclusive community which celebrates spirit, tradition and success for all.

Pathways to the Future

Reaching Every Student!

Apprenticeship Pathway



The Ontario Youth Apprenticeship Program (OYAP) is a joint agreement between LDSB and the Ministry of Training, Colleges and Universities. Through OYAP, a student has the opportunity to apprentice in a skilled trade while completing their high school diploma. OYAP often begins with a co-operative education placement where students gain valuable work experience. Should a student wish to pursue registration in a skilled trade, they can apply for further co-operative education experience or the Phase One in-school portion of formal apprenticeship training at college or in selected schools offering an MTCU approved Oversight.

Students are asked to contact their guidance counsellor or the Ontario Youth Apprenticeship co-ordinator for further information. More information about OYAP can be found in the *Expanded Opportunities* section of this course calendar.

College Pathway



Students are encouraged to thoroughly research and carefully plan their college program. Information for Ontario colleges is available at www.ontariocolleges.ca. The Ontario School Counsellors' Association, <http://osca.ca>, also has a number of resources related to making a post secondary plan.

Consult with your guidance counsellor, attend liaison visits at your school, peruse college view books and review all program prerequisites for the programs of your choice. Transfer agreements from college to university are in place for many programs. Up-to-date information is available in college calendars or at www.ocutg.ca.

University Pathway



Students are encouraged to thoroughly plan and research their university program. Universities have specific admission criteria and prerequisite courses. Generally, six grade 12 U/M level courses are required. Admission requirements for similar programs may vary significantly from university to university.

Students should consult their guidance counsellor for more information. University admission criteria can be found at www.electronicinfo.ca. Students should attend the university liaison visits at their school, read university view books and carefully review all admission criteria.

Workplace Pathway



Students who desire to seek employment and begin earning wages immediately following the completion of their OSSD may consider the Workplace Pathway. The Workplace Pathway equips students with the essential knowledge and employability skills required for direct entry to the world of work. Students should carefully plan their secondary program to ensure full participation in the many unique opportunities to learn about the world of work and explore potential careers. For more information visit <http://skills.edu.gov.on.ca>

Workplace courses may be offered as stand alone credits in a core subject discipline (such as math, science and English) or they may be offered as part of *Expanded Opportunities* such as SHSM, Focus Programs and Co-operative Education. More information can be found in the *Expanded Opportunities* section of this course calendar.

Assessment & Evaluation

Our Key Beliefs

The secondary policy and procedures of the Limestone District School Board are based on a set of key beliefs that have been developed collaboratively by teachers and administrators over the past several years. The belief statements are shown below, and form the basis of learning experiences for all of our students.

Assessment for Learning

- Effective assessment and evaluation methods act to support and improve student learning.
- Sharing learning goals and success criteria with students at the outset of learning ensures that students and teachers have a common and shared understanding of these goals and criteria as learning progresses.
- Student learning is enhanced through the provision of effective feedback. Feedback is effective when it relates directly to the learning goal, and describes strengths and next steps for improvement.
- Specific, constructive and supportive feedback, both verbal and written, motivates students to persist and to improve.
- Assessing current levels of understanding at regular intervals in the learning cycle allows teachers to support all students.
- Differentiated instruction and assessment allow all learners to experience success.
- When teachers use diagnostic assessment and formative assessment data to inform their instruction, learning remains accessible to all learners and students become partners in their own learning process.

Assessment of Learning

- Clearly articulated evaluation and reporting procedures invite students, parents and teachers to work as partners in student learning.
- Attendance, punctuality, and learning skills and work habits are key success factors for students. Students and parents value their importance when they receive reliable and ongoing information about them.
- Evaluation of academic achievement prepares students for future learning when it is based solely on the overall expectations of the course, and includes an appropriate balance of the categories of the achievement chart.
- Students are able to continue to experience success when they achieve the provincial standard (level 3) or higher. Their chances of reaching this standard are improved when they have a clear view of what it looks like and which next steps will lead them closer to or beyond the standard.
- Students value collaboration when they receive a mark that is based on their individual level of performance within a group.
- Motivation is enhanced when students understand that growth in their achievement will be considered when grades are determined.

Assessment as Learning

- Students will experience greater levels of success beyond school when they become independent learners.
- Students become independent learners when they are proficient at reflecting on their learning, and are able to develop an understanding of their current level of achievement and their next steps for improvement.
- Teachers support independent student learners by providing instruction and opportunity for students to reflect on their learning.

The Limestone District School Board Assessment & Evaluation Policy can be found in the Student Agenda.

For more information and an electronic copy of Secondary Evaluation and Reporting Procedures and a Parent & Guardian's Guide to Assessment & Evaluation, please visit <http://www.limestone.on.ca/Parents/>.

Course Outlines

Course outlines for the courses listed in this catalogue are available to parents and students at the school from the Principal. Curriculum documents which describe course expectations can be found at <http://www.edu.gov.on.ca/eng/curriculum/secondary>

Limestone District School Board Achievement of Excellence Award

Workplace Pathway

Awards to ALL graduating students who:

achieve a grade of excellent (E) for all learning skills in any six of their senior credits* (grades 11 & 12)

achieve a minimum average of 90%** in six of their senior credits (grades 11 & 12)

complete grade 12 English in the employment pathway or take the OLC 40 course.

College Pathway

Awarded to ALL graduating students who:

achieve a grade of excellent (E) for all learning skills in any six of their student credits* (grades 11 & 12)

achieve a minimum average of 90%** in six of their senior credits (grades 11 & 12)

complete grade 12 English in the college pathway.

University Pathway

Awarded to ALL graduating students who:

achieve a grade of excellent (E) for all learning skills in any six of their grade 12 credits* (including open level courses).

achieve a minimum average of 90%** in six of their grade 12 credits.

complete grade 12 English in the university pathway.

* Please note that successful candidates do not have to achieve grades of Excellent for learning skills in the same six courses that are used for the purposes of calculating academic achievement. Any credits that the students have earned and that are recorded on the transcript should be considered (including cooperative education, dual learning, summer school, PLAR and eLearning credits).

** The percentage grade of 90% was chosen as it represents the middle percentage grade associated with level four achievements.

Student Transfers

New students wishing to register at Sydenham High School need to make an appointment with the vice-principal. Students should bring a current transcript with them to their appointment. If you wish to transfer to Sydenham High School and want to participate in athletics, please contact the school's Athletic Director. You will need to complete transfer forms which will be assessed by KAASA to determine eligibility.

Section Two: Program Planning and Course Selection

Diploma & Certificate Requirements for OSS Students

Ontario Secondary School Diploma (OSSD)

	Grade 9	Grade 10	Grade 11	Grade 12
Compulsory Courses	English* Math Science Geography French Healthy Active Living 2 additional credits from Arts, Business or Technology	English Math Science History Civic (.5) Career Studies (.5)	English Math	English
Other Compulsory Courses	<p>Students must take three other compulsory courses chosen from 3 groupings of courses before the end of Grade 12:</p> <p>Group 1 – An additional credit in English, or French as a second language**, or a Native language, or a classical or an international language, or social science and the humanities, or Canadian and world studies, or guidance and career education, or cooperative education***.</p> <p>Group 2 – An additional credit in health and physical education, or the arts, or business studies, or French as a second language**, or cooperative education***.</p> <p>Group 3 – An additional credit in science (Grade 11 or 12) technological education, or French as a second language**, or computer studies or cooperative education***.</p> <p>*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.</p> <p>**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.</p> <p>***A maximum of 2 credits in cooperative education can count as compulsory credits.</p> <p>†The 12 optional credits may include up to 4 credits earned through approved dual credit courses.</p>			
Number of Optional Credits	1 Option	3 options	5-6 options	5-7 options
Summary of Graduation Requirements	<p>Students need to complete the following criteria to earn their graduation diploma:</p> <ul style="list-style-type: none"> • 18 compulsory courses (as described above) • 12 optional courses (as described above) • 40 hours of Community Involvement • Successful completion of the Ontario Secondary School Literacy Test or Course. 			
Special Considerations	<ul style="list-style-type: none"> • Students attending college or university, or entering a trade or apprenticeship may find that specific high school requirements determined by an industry, college, or university are in place. Careful research should be done when selecting courses. • Students may only count 2 cooperative education courses toward their compulsory courses. Other cooperative education courses count as optional credits. • Students may count 3 English as a Second Language (ESL) courses toward their compulsory English requirements. The 4th English must be a Grade 12 English. • Up to four Dual Credits can be counted towards optional or elective credits. 			

It is possible to complete an Ontario Secondary School Diploma in 4 years. Many students, however, may decide to take 4 ½ to 5 years to complete their graduation requirements. An extended timeline will allow students to:

- **explore** dynamic options in various courses of study in order to expand their creative abilities and critical thinking skills;
- **participate** in workplace opportunities to investigate career options and enhance their employability skills;
- **balance** their rigorous academic timetables to prepare academically, socially, and financially for post-secondary education;
- **enrich** their high school experience by participating in school clubs, sports and activities.

Universities and colleges encourage students to maintain breadth in their secondary school courses and to keep their options open. Remember that to earn your diploma, you need **18 prerequisite credits, 12 optional credits, 40 hours of Community Involvement, and you must successfully complete the Ontario Secondary School Literacy Test.**

Requirements for the Ontario Secondary School Certificate (OSSC)

The Ontario Secondary School Certificate (OSSC) will be granted on request to students who leave school before earning their diploma provided they have earned a minimum of 14 credits distributed as follows:

2	English
1	Canadian Geography or Canadian History
1	Mathematics
1	Science
1	Health and Physical Education
1	Arts, Technology or Computer Studies
7	Additional optional credits

Requirements for the Certificate of Accomplishment

Students who leave school before fulfilling the requirements for either the OSSD or the OSSC may be granted a Certificate of Accomplishment which will recognize achievement for those students who plan to find employment or take future training after leaving school. There is no literacy test requirement with either the OSSC or Certificate of Accomplishment.

Community Involvement

Students must complete 40 hours of community involvement outside of the students' normal instructional hours in order to be granted their diploma. Hours may be completed over the course of their high school years. ***Please note: You may not start your community involvement hours until September of your grade 9 year.*** For more information, please contact Student Services.

The Ontario Secondary School Literacy Test (OSSLT)

The Ontario curriculum requires each student to write the Ontario Secondary School Literacy Test (OSSLT). The OSSLT is based on curriculum expectations for reading and writing across the disciplines up to and including grade 9. Remedial assistance is made available for students who are not successful. Accommodations are made for students receiving special educational programs and services and who have an Individual Educational Plan. For additional information, please contact Student Services.

The Ontario Secondary School Literacy Course (OSSLC)

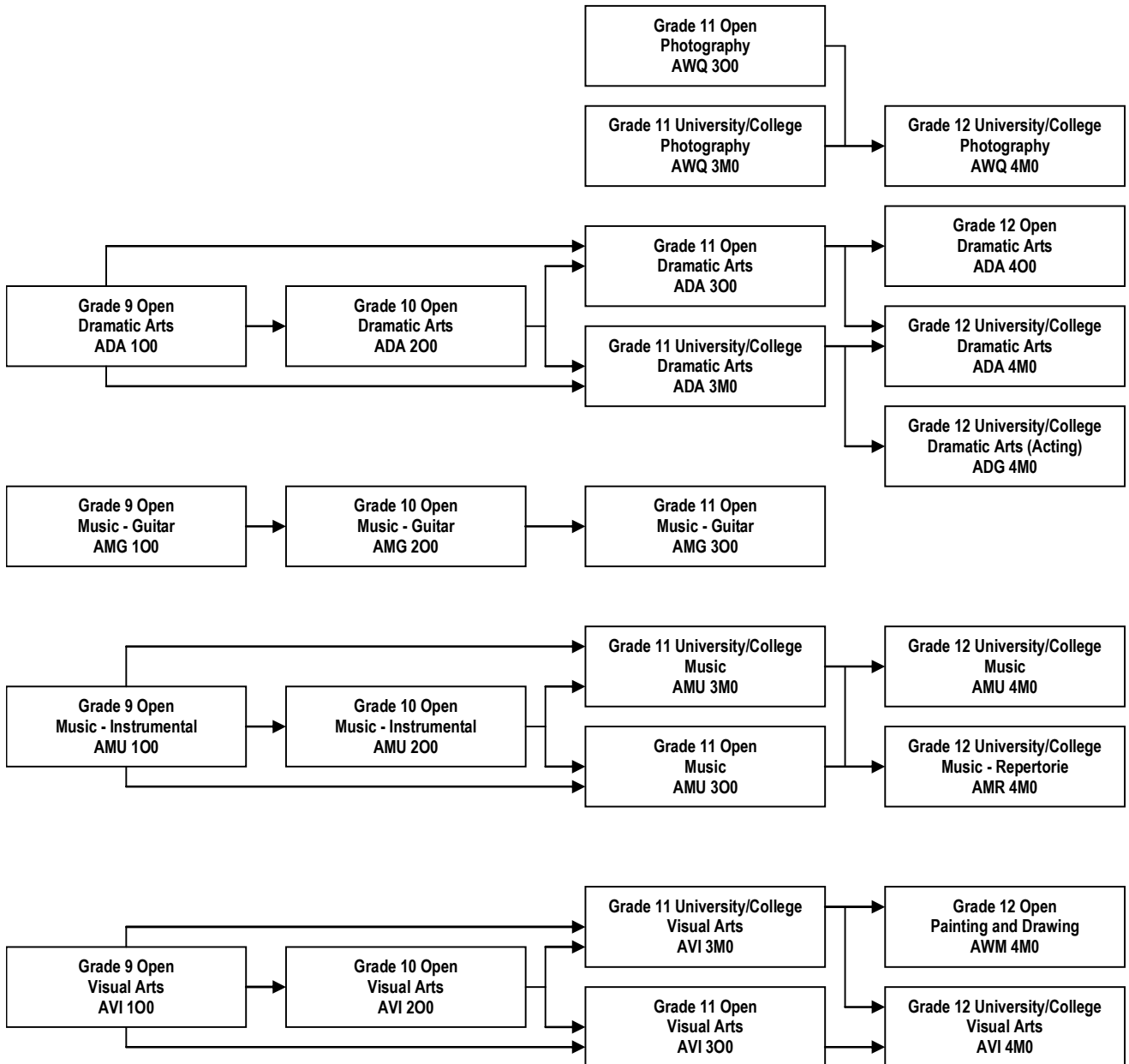
Students who have been **unsuccessful** at least once in writing the Ontario Secondary School Literacy Test (OSSLT) are eligible to take the OSSLC. This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who successfully complete the course **will meet the provincial literacy requirement for graduation.**

Substitutions for Compulsory Courses

In order to allow flexibility in designing a student's program and to ensure that all students can qualify for the secondary school diploma, substitutions may be made for a limited number of compulsory credits. To meet individual students' needs, principals may replace up to three of these credits (or the equivalent in half courses) with courses from the remainder of those that meet the compulsory credit requirements. Each substitution will be noted on the student's Ontario Transcript. Please contact Student Services for more information.



ARTS





ARTS

Dramatic Arts, Grade 9, Open

ADA100

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

Dramatic Arts, Grade 10, Open

ADA200

Prerequisite: None

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

Dramatic Arts, Grade 11, Open

ADA300

Prerequisite: ADA100 or ADA200

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

Dramatic Arts, Grade 11, University/College Preparation

ADA3M0

Prerequisite: ADA100 or ADA200

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

Dramatic Arts, Grade 12, University/College Preparation

ADA4M0

Prerequisite: ADA300 or ADA3M0

This course requires students to experiment with forms and conventions in dramatic literature, and to create, script, and present original and adapted works. Students will do research on dramatic forms, conventions, themes, and theories of acting and directing from different historical periods, and apply their knowledge of these in interpreting dramatic literature, including Canadian works and works from various cultures in the late twentieth century. Students will also examine the significance of dramatic arts in various cultures.

Dramatic Arts (Acting), Grade 12, University/College Preparation

ADG4M0

Prerequisite: ADA 3M0

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

Music, Guitar, Grade 9, Open

AMG100

This course emphasizes the performance of GUITAR at a level that strikes a balance between challenges and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use.

Music, Guitar, Grade 10, Open

AMG200

Prerequisite: AMG 100

This course emphasizes performance of guitar at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. Note: Beginning guitar students should choose AMG100.

Music, Instrumental, Grade 9, Open**AMU100**

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

Music, Instrumental, Grade 10, Open**AMU200****Prerequisite: None**

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.

Music, Grade 11, Open**AMU300****Prerequisite: AMU100 or AMU200**

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

Music, Grade 11, University/College Preparation**AMU3M0****Prerequisite: AMU100 or AMU200**

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.

Music - Guitar, Grade 11, Open**AMU30G****Prerequisite: AMG200**

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

Music, Grade 12, University/College Preparation**AMU4M0****Prerequisite: AMU300 or AMU3M0**

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

Music - Repertoire, Grade 12, University/College Preparation**AMR4M0****Prerequisite: AMU300 or AMU3M0**

This course emphasizes the appreciation, analysis, and performance of music from the romantic period and from the twentieth century, including jazz, popular music, art music, and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently. They will also complete complex creative projects in which they make use of new technologies.

*This course will focus on the rehearsal and performance of concert and jazz band, small ensemble, and solo repertoire. It is recommended for students who have already completed AMU4M0.

Visual Arts, Grade 9, Open**AVI100**

This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.

Visual Arts, Grade 10, Open**AVI200****Prerequisite: None**

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

Visual Arts, Grade 11, Open**AVI300****Prerequisite: AVI100 or AVI200**

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

Visual Arts, Grade 11, University/College Preparation**AVI3M0****Prerequisite: AVI100 or AVI200**

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

Visual Arts, Grade 12, University/College Preparation**AVI4M0****Prerequisite: AVI300 or AVI3M0**

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

Photography, Grade 11, University/College Preparation**AWQ3M0****Prerequisite: Visual Arts, Year 1 or 2, Open**

This course provides students with opportunities to further develop their skills and knowledge in visual arts. Students will explore a range of subject matter through studio activities, and will consolidate their practical skills. Students will also analyse art works and study aspects of Western art history, as well as art forms from Canada and other parts of the world. Students will learn about the 35 mm camera and its components; composing scenes, developing negatives and prints for black and white film. There is a \$50.00 lab fee for film, paper and chemicals

Photography, Grade 11, Open**AWQ300****Prerequisite: None**

This course focuses on studio activities in one or more of the visual arts. Students will create art works that explore a wide range of subject matter, and will evaluate art works, providing grounds for their aesthetic judgements. They will also examine historical and cultural contexts of Western art (including Canadian art) and art from various world cultures to support their study of specific media. Students will learn about the 35mm camera and its components; composing scenes, developing negatives and prints for black and white film. There is a \$50.00 lab fee for film, paper and chemicals.

Photography, Grade 12, University/College Preparation

AWQ4M0

Prerequisite: AWQ3O0 or AWQ3M0

This course focuses on the refinement of students' skills and knowledge in visual arts. Students will analyse art forms; use theories of art in analyzing and producing art; and increase their understanding of stylistic changes in Western art, Canadian (including Native Canadian) art, and art forms from various parts of the world. Students will produce a body of work demonstrating a personal approach. Photography students will be introduced to a variety of special techniques for example, double exposures, tinting, burning and dodging infrared film and exploring filters. There is a lab fee of \$50.00 to cover the cost of paper, film and chemicals

Drawing & Painting, Grade 12, Open

AWM4M0

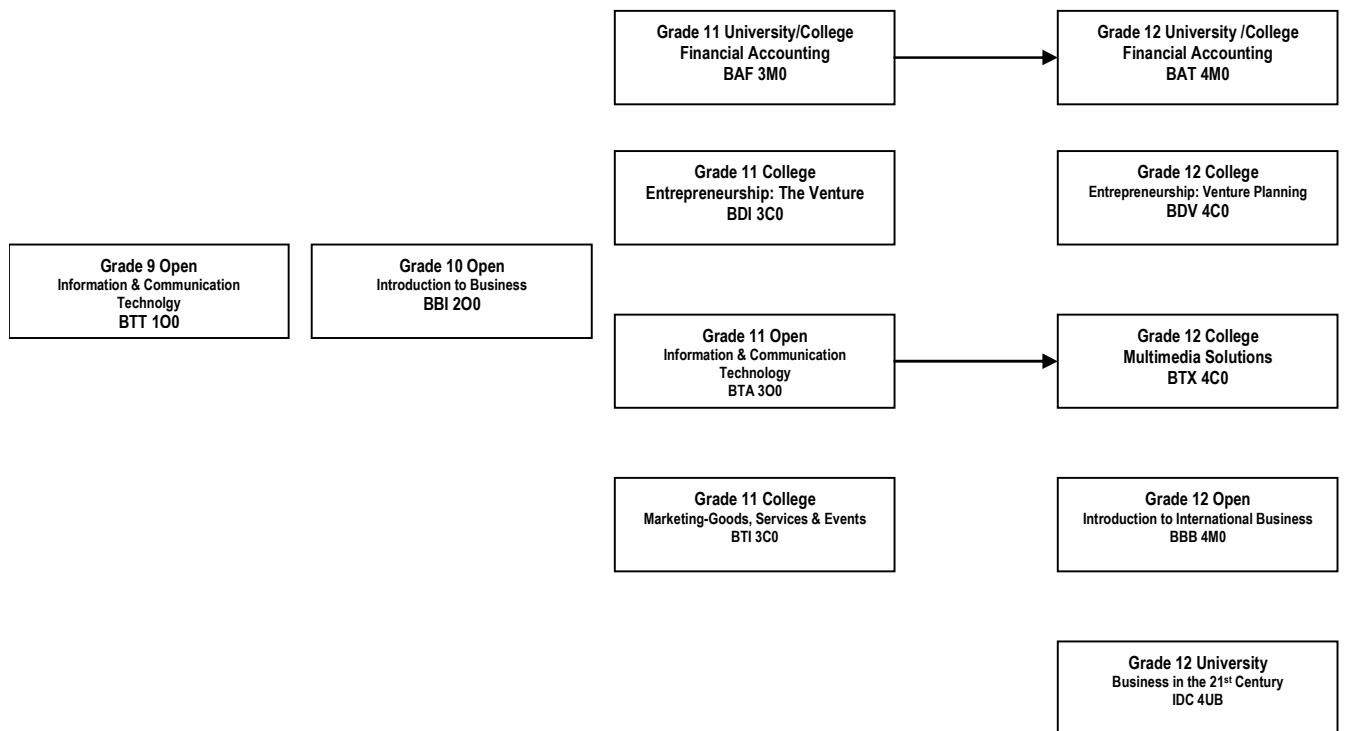
Prerequisite: AVI3O0 or AVI3M0

College/University (Students showing interest and talent in visual art may also be accommodated.)

This course focuses on the refinement of students' skills and knowledge in visual arts. Students will analyse art forms; use theories of art in analyzing and producing art; and increase their understanding of stylistic changes in Western art, Canadian (including Native Canadian) art, and art forms from various parts of the world. Students will produce a body of work demonstrating a personal approach. This is a concentrated study in the areas of drawing and painting with a focus on skill development.



BUSINESS





BUSINESS

Information and Communication Technology in Business, Grade 9, Open

BTT100

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

Introduction to Business, Grade 10, Open

BBI200

Prerequisite: None

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

Financial Accounting Fundamentals, Grade 11, University/College Preparation

BAF3M0

Prerequisite: None

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

Financial Accounting Principles, Grade 12, University/College Preparation

BAT4M0

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

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

Entrepreneurship: The Venture, Grade 11, College Preparation

Prerequisite: None

BDI3C0

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a student-run school-based or summer business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

Entrepreneurship: Venture Planning in an Electronic Age, Grade 12, College Preparation

BDV4C0

Prerequisite: None

This course provides students with the opportunity to develop and apply entrepreneurial skills through the creation of a venture plan that capitalizes on the potential of e-commerce. Students will research and identify an opportunity for a venture. They will then complete the components of a venture plan that includes a website.

Marketing: Goods, Services, Events, Grade 11, College Preparation

BMI3C0

Prerequisite: None

This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice.

Business in the 21st Century, Grade 12, University

IDC4UB

Prerequisite: Any university/college preparation course

This course is designed to give students an introduction to international business from a management perspective. Students will be introduced to the challenges involved in a venture start-up and then they will apply these entrepreneurial concepts to the international arena. In so doing, they will investigate the global environment for business, with special attention to the implications of culture. Students will also learn about the unique aspects of marketing - the challenges, approaches, and channels of distribution - when operating in an international venue. Case studies of successful Canadian businesses operating in international markets will provide practical examples of the theory covered as will research projects on local businesses with international markets

Information Technology Applications in Business, Grade 11, Open

BTA300

Prerequisite: None

This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business website. The skills developed in this course will prepare students for success in the workplace and/or post-secondary studies.

Information and Communication Technology: Multimedia Solutions, Grade 12, College Preparation

BTX4C0

Prerequisite: BTA300

This course provides students with the opportunity to apply their information and communication technology skills while working in a team environment. Through a project-based approach, students will have opportunities to integrate common business software applications and apply multimedia techniques. Students will further develop their understanding of electronic business and e-commerce environments. The skills acquired in this course will prepare students for success in post secondary studies and in their future careers.

International Business Fundamentals, Grade 12, University/College

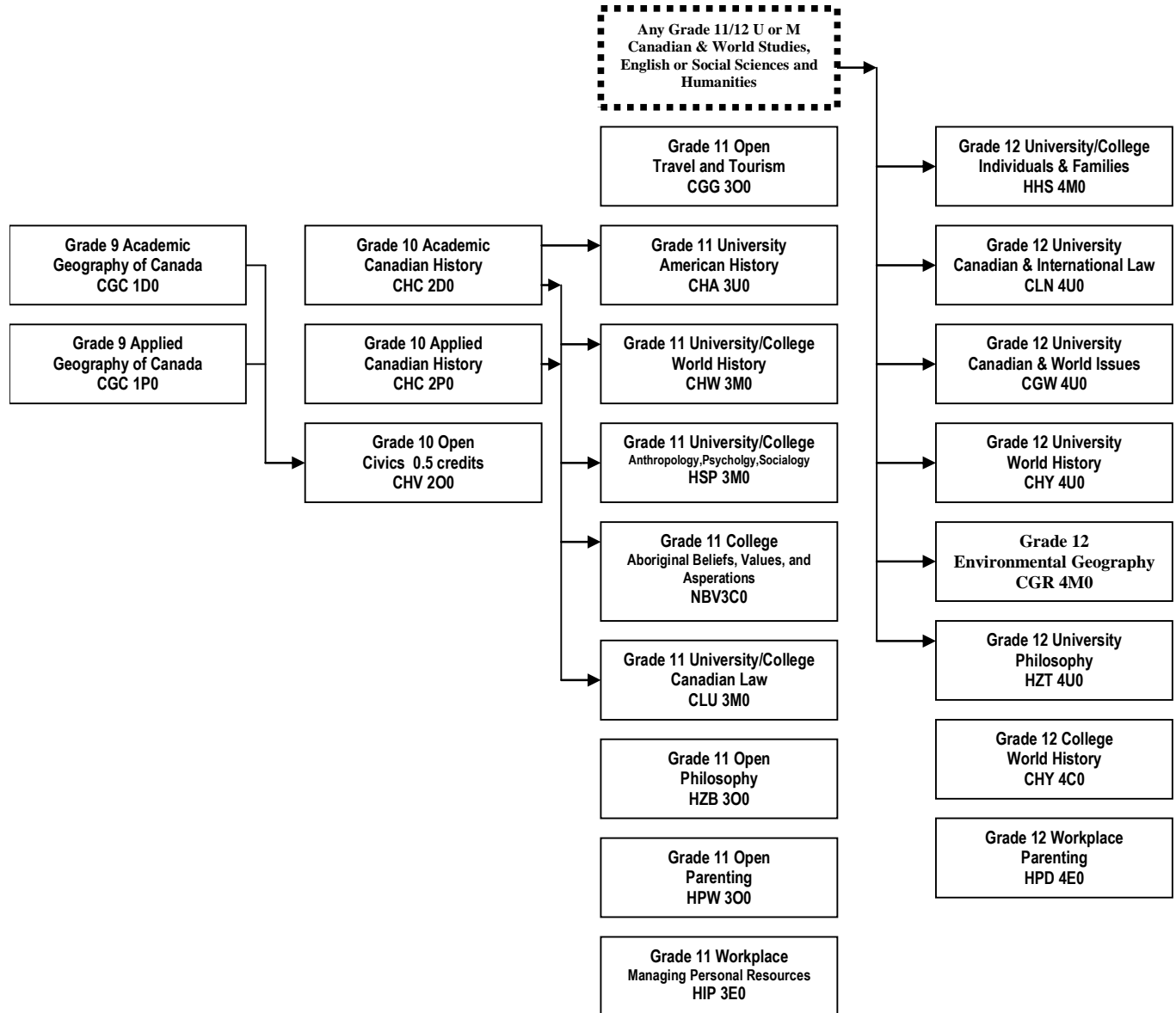
BBB4M0

Prerequisite: None

This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for post secondary programs in business, including international business, marketing, and management.



CANADIAN AND WORLD STUDIES





CANADIAN & WORLD STUDIES

Geography of Canada, Grade 9, Academic

CGC1D0

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

Geography of Canada, Grade 9, Applied

CGC1P0

This course focuses on geographic issues that affect Canadians today. Students will draw on personal and everyday experiences to learn about Canada's distinct and changing character and the natural and human systems and global influences that shape the country. Students will use a variety of geotechnologies and inquiry and communication methods to examine practical geographic questions and communicate their findings.

Contemporary Canadian History, Grade 10, Academic

CHC2D0

Prerequisite: None

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

Contemporary Canadian History, Grade 10, Applied

CHC2P0

Prerequisite: None

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

Civics, Grade 10, Open (.5 credit combines with Career Studies)

CHV2O0

Prerequisite: None

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them.

Aboriginal Beliefs, Values, and Aspirations in Contemporary Society, Grade 11, College

NBV3C0

Prerequisite: CHC2P0 or CHC2D0

This course focuses on the beliefs, values, and aspirations of Aboriginal peoples in Canada. Students will examine world views of Aboriginal peoples and the political, economic, cultural, and social challenges facing individuals and communities. Students will also learn how traditional and contemporary beliefs and values influence the aspirations and actions of Aboriginal peoples.

Understanding Canadian Law, Grade 11, University/College Preparation

CLU3M0

Prerequisite: CHC2D0, CHC2P0

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

World History to the Sixteenth Century, Grade 11, University/College Preparation **CHW3M0**
Prerequisite: CHC2D0 or CHC2P0

This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyze diverse societies from around the world, with an emphasis on the political, cultural, and economic structures and historical forces that have shaped the modern world. They will apply historical inquiry, critical-thinking, and communication skills to evaluate the influence of selected individuals, groups, and innovations and present their conclusions.

Canadian and World Issues: A Geographic, Analysis Grade 12, University Preparation **CGW4U0**
Prerequisite: Any university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

This course examines the global challenges of creating a sustainable and equitable future, focusing on current issues that illustrate these challenges. Students will investigate a range of topics, including cultural, economic, and geopolitical relationships, regional disparities in the ability to meet basic human needs, and protection of the natural environment. Students will use geotechnologies and skills of geographic inquiry and analysis to develop and communicate balanced opinions about the complex issues facing Canada and a world that is interdependent and constantly changing.

The Environment and Resource Management, Grade 12 **CGR4M0**
Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities

This course investigates the complexity and fragility of ecosystems and the effects of human activities on them. Students will study the principles of sustainability and resource management and evaluate various approaches to achieving a more sustainable relationship between the environment, society, and the economy.

World History: The West and the World, Grade 12, University Preparation **CHY4U0**
Prerequisite: any U or M course in Canadian & World Studies or English

This course investigates the major trends in Western civilization and world history from the sixteenth century to the present. Students will learn about the interaction between the emerging West and other regions of the world and about the development of modern social, political, and economic systems. They will use critical-thinking and communication skills to investigate the historical roots of contemporary issues and present their conclusions.

World History: The West and the World, Grade 12, College Preparation **CHY4C0**
Prerequisite: Any U or M course in Canadian & World Studies or English

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

Canadian and International Law, Grade 12, University Preparation **CLN4U0**
Prerequisite: Any U or M course in Canadian & World Studies or English

This course examines elements of Canadian and international law in social, political, and global contexts. Students will study the historical and philosophical sources of law and the principles and practices of international law and will learn to relate them to issues in Canadian society and the wider world. Students will use critical-thinking and communication skills to analyze legal issues, conduct independent research, and present the results of their inquiries in a variety of ways.

Managing Personal Resources,, Grade 11, Workplace Preparation **HIP3E0**
Prerequisite: None

This course prepares students for living independently and working successfully with others. Students will learn to manage their personal resources (including talent, money, and time), to develop interpersonal skills, and to understand economic influences on workplace issues, in order to make wise and responsible personal and occupational choices. The course emphasizes the achievement of expectations through practical experiences and introduces students to skills used in researching and investigating resource management.

Parenting, Grade 11, Open**HPW3C0****Prerequisite: None**

This course focuses on the well-being of children in families and community settings. Students will study child behaviour and child development in the context of relationships with parents and others in the community, and will learn through research and by observing and interacting with children. This course prepares students for further study of children, familiarizes them with occupational opportunities related to working with children, and introduces them to skills used in researching and investigating children's behaviour in response to others.

Introduction to Anthropology, Psychology, and Sociology, Grade 11, University/College Preparation**HSP3M0****Prerequisite: None**

This course introduces the theories, questions, and issues that are the major concerns of anthropology, psychology, and sociology. Students will develop an understanding of the way social scientists approach the topics they study and the research methods they employ. Students will be given opportunities to explore theories from a variety of perspectives and to become familiar with current thinking on a range of issues that have captured the interest of classical and contemporary social scientists in the three disciplines.

Philosophy: The Big Questions, Grade 11, Open**HZB3O0****Prerequisite: None**

This course addresses three (or more) of the following questions: What is a person? What is a meaningful life? What are good and evil? What is a just society? What is human knowledge? How do we know what is beautiful in art, music, and literature? Students will learn critical-thinking skills in evaluating philosophical arguments related to these questions, as well as skills used in researching and investigating various topics in philosophy.

Individuals and Families in a Diverse Society, Grade 12, University/College Preparation**HHS4M0****Prerequisite: Any U or M course in Canadian & World Studies or English**

This course applies current theories and research from the disciplines of anthropology, psychology, and sociology to the study of individual development, family behaviour, intimate and parent-child relationships, and the ways in which families interact within the diverse Canadian society. Students will learn the interpersonal skills required to contribute to the wellbeing of families, and the investigative skills required to conduct and evaluate research about individuals and families.

Parenting and Human Development Grade 12, Workplace Preparation**HPD4E0****Prerequisite: None**

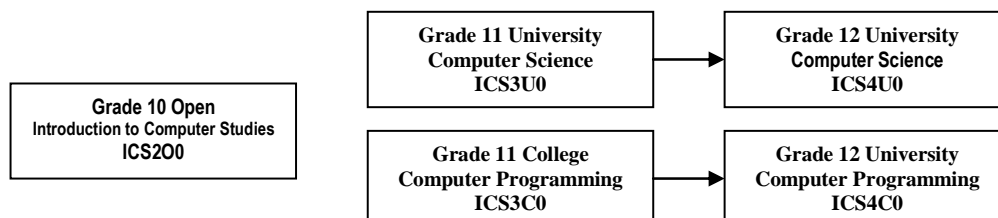
This course prepares students for occupations involving older children, and for the responsibility of parenting, with emphasis on school-age and adolescent children. Students will learn, through practical experience in the community, how early child development affects later development, success in school, and personal and social well-being throughout life, and how children and parents change over time. This course also develops students' skills in researching and investigating various aspects of parenting and human development.

Philosophy: Questions and Theories, Grade 12, University Preparation**HZT4U0****Prerequisite: Any U or M course in Canadian & World Studies or English**

This course addresses three (or more) of the main areas of philosophy: metaphysics, logic, epistemology, ethics, social and political philosophy, and aesthetics. Students will learn critical-thinking skills, the main ideas expressed by philosophers from a variety of the world's traditions, how to develop and explain their own philosophical ideas, and how to apply those ideas to contemporary social issues and personal experiences. The course will also help students refine their skills used in researching and investigating topics in philosophy



Computers



INTRODUCTION TO Computer Studies, Grade 10, Open

ICS200

Prerequisite: None

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

Introduction to Computer Science, Grade 11, University Preparation

ICS3U0

Prerequisite: None

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

Introduction to Computer Programming, Grade 11, College Preparation

ICS3C0

Prerequisite: None

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

Computer and Information Science, Grade 12, University

ICS4U0

Prerequisite: ICS3U0

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyse algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field.

Computer Programming, Grade 12, College Preparation

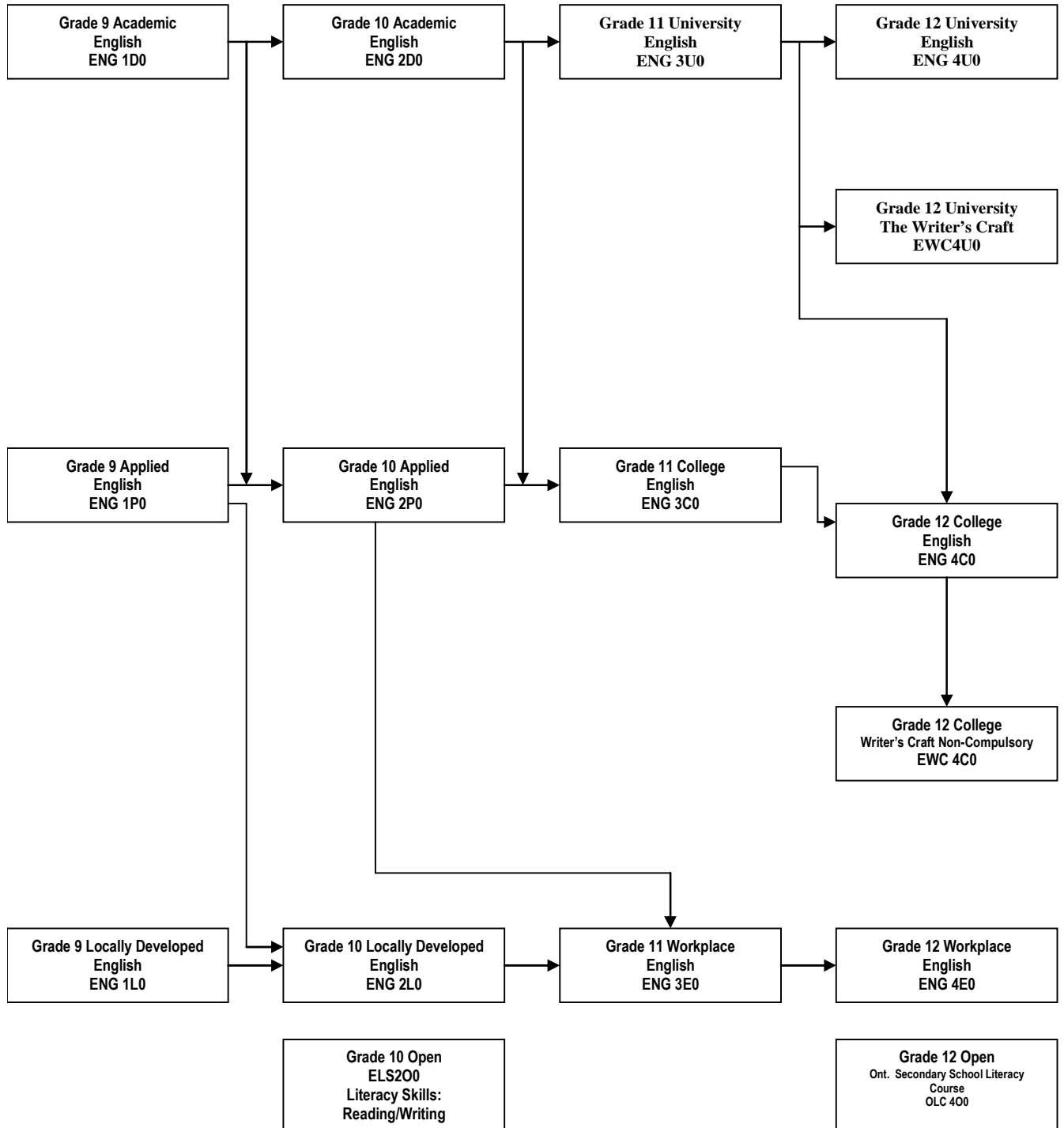
ICS4C0

Prerequisite: ICS3C0

This course further develops students' computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing, and expand their understanding of environmental issues, emerging technologies, and computer-related careers.



ENGLISH



ENGLISH



English, Grade 9, Academic

ENG1D0

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

English, Grade 9, Applied

ENG1P0

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

English, Grade 9, Locally Developed

ENG1L0

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the English Grade 11 Workplace Preparation course. The course is organized by strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts.

English, Grade 10, Academic

ENG2D0

Prerequisite: ENG1D0

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

English, Grade 10, Applied

ENG2P0

Prerequisite: ENG1P0 or ENG1D0

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

English, Grade 10, Locally Developed

ENG2L0

Prerequisite: A Grade 9 English Credit

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English Grade 11 Workplace Preparation course, or in the English: Contemporary Aboriginal Voices, Grade 11 Workplace Preparation course. The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts.

English, Grade 10, Open, Literacy Skills: Reading and Writing**ELS2O0****Prerequisite: ENG1D0, ENG1P0 or ENG1L0**

This course is designed to help students strengthen essential reading and writing skills, providing them with the extra literacy support they need in order to graduate. Students will read informational, graphic, and literary texts, with a focus on locating information, identifying main ideas and supporting details, building vocabulary, and consolidating skills in the application of key comprehension strategies. The course will also help students develop core learning strategies.

English, Grade 11, University Prep**ENG3U0****Prerequisite: ENG2D0**

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse challenging literary texts from various periods, countries, and cultures, as well as a range of informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory Grade 12 university or college preparation course

English, Grade 11, College Preparation**ENG3C0****Prerequisite: ENG2P0**

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course.

English, Grade 11, Workplace Preparation**ENG3E0****Prerequisite: ENG2P0 or ENG2L0**

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course.

English, Grade 12, University Preparation**ENG4U0****Prerequisite: ENG3U0**

This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace.

English, Grade 12, College Preparation**ENG4C0****Prerequisite: ENG3C0**

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

English, Grade 12, Workplace Prep**ENG4E0****Prerequisite: ENG3E0**

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

The Writer's Craft, Grade 12, University Prep**EWC4U0****Prerequisite: ENG3U0**

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

The Writer's Craft, Grade 12, College Preparation**EWC40****Prerequisite: ENG3C0**

This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers.

English, Grade 12, Open- Ontario Secondary School Literacy Course**OLC400****Prerequisite: Those students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once, are eligible to take this course.**

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



GUIDANCE AND CAREER EDUCATION

Grade 9 Open
Learning Strategies
GLS 100

Grade 10 Open
Career Studies 0.5 credits
GLC 200

Grade 11 Open
Leadership & Peer Support
GPP 300

Learning Strategies, Grade 9, Open

GLS100

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

Career Studies, Grade 10, Open

GLC200

Prerequisite: None

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

Leadership and Peer Support, Grade 11, Open

GPP300

Prerequisite: GLC200

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



INTERDISCIPLINARY STUDIES

Grade 11 Open
Web Design & Web
Programming IDC 300

Grade 11 College
Sport and Society
IDU 3C0

Grade 12 University
Business in the 21st Century
IDU 4UB

Grade 12 University
Learning & Literacy
Development IDC 4UQ

Web Design and Web Programming

IDC300

Prerequisite: None

This course is a study in advanced website design, through in depth understanding of computer programming, website design software, graphic and media design and data warehousing. Students in this course will combine skills from multiple disciplines to creatively solve problems and take on challenges presented by specific tasks, ask and answer questions while improving literacy skills, and understand the importance of teamwork when meeting clearly-defined goals and deadlines. Students will work both individually and collaboratively to understand and complete each step of the design process, including planning, design, development, presentation and troubleshooting. They will become aware of the resources available online and learn how to use these resources to figure out how to overcome obstacles, while continually focusing on their own work habits and learning skills. They will also have the opportunity to design websites that will benefit the school and/or the community, working with “clients” who will provide real-life customer-developer relationship.

Sport and Society, Grade 11, College

IDC3C0

Prerequisite: None

This course explores the role of sports and athletics in history and various cultures. Using diverse resources and research methods, students will analyse the depiction of sports and health in media and literature and will examine trends in the business and communication of sports-related activities. They will also explore the importance of personal fitness and healthy living, the relationship between amateur and professional sports, and local and provincial opportunities and careers in sports, outdoor education, and physical activity.

Business In The 21st Century, Grade 12, University Preparation

IDC4UB

Prerequisite: Any university/college preparation course

This course is designed to give students an introduction to international business from a management perspective. Students will be introduced to the challenges involved in a venture start-up and then they will apply these entrepreneurial concepts to the international arena. In so doing, they will investigate the global environment for business, with special attention to the implications of culture. Students will also learn about the unique aspects of marketing - the challenges, approaches, and channels of distribution - when operating in an international venue. Case studies of successful Canadian businesses operating in international markets will provide practical examples of the theory covered as will research projects on local businesses with international markets

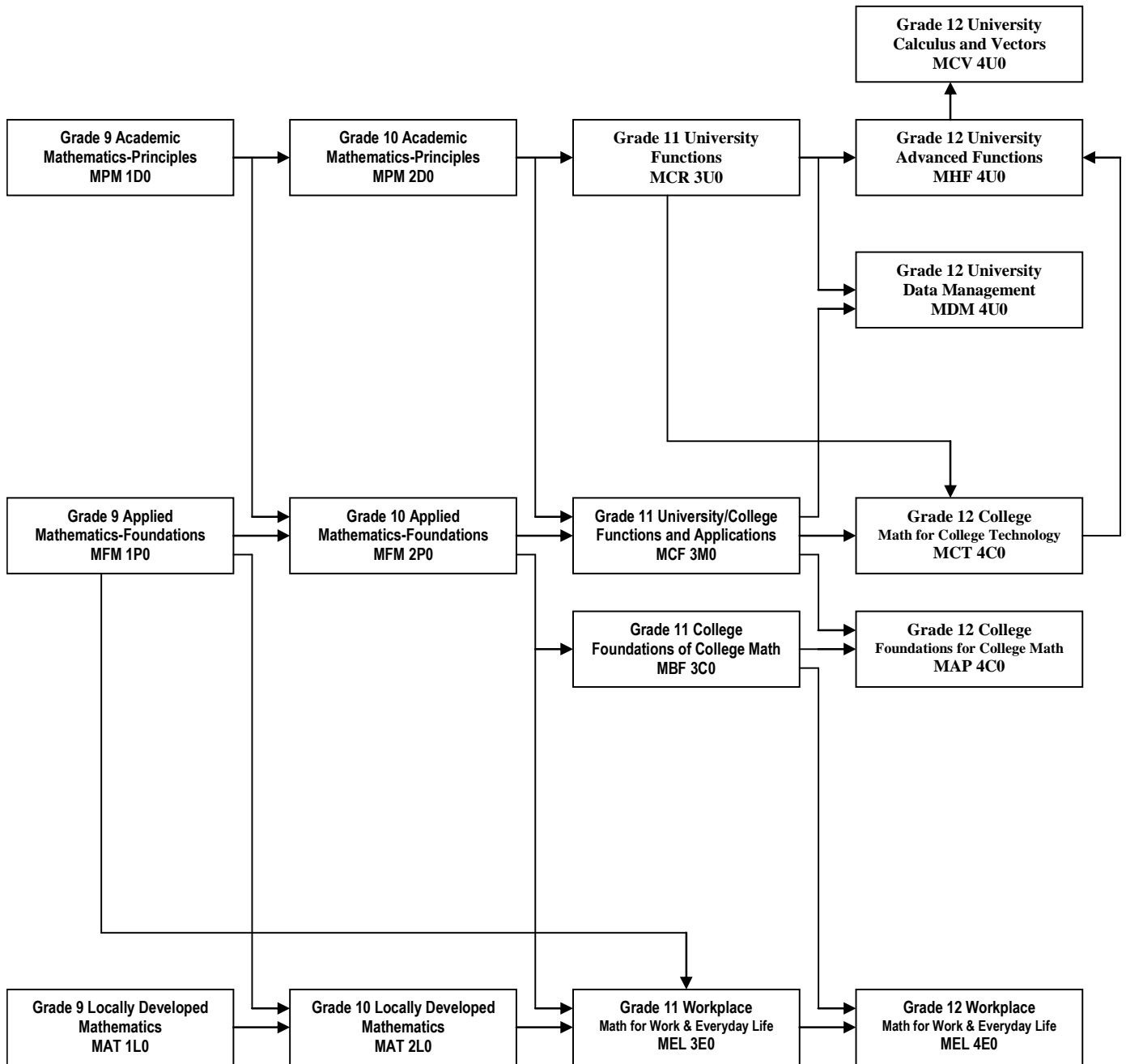
Learning and Literacy Development, Grade 12, University Preparation

IDC4UQ

Prerequisite: Any university/college preparation course

This course provides an introduction to the learning and teaching of reading and writing skills. Students will learn the causes of illiteracy, the ways in which people acquire reading and writing skills, including their own and others' learning styles, techniques and materials for the successful teaching of reading and writing, the skills of tutoring poor readers and writers in other subjects, how to design and deliver an effective lesson, how to motivate and encourage students, how to effectively handle behaviour problems, how to maintain effective records of student improvement. Students will tutor grade 9 students enrolled in ENGL0 and work closely with the teacher to improve the literacy levels of students in this course. Students planning to pursue university and college programs in education will find this course of particular interest.

MATHEMATICS





MATHEMATICS

Principles of Mathematics, Grade 9, Academic

MPM1D0

This course enables students to develop understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a relationship. They will also explore relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi step problems.

Foundations of Mathematics, Grade 9, Applied

MF1P0

This course enables students to develop understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relationships, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Mathematics, Grade 9, Locally Developed

MAT1L0

This course emphasized further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Grade 10 LDCC course, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by three strands related to money sense, measurement, and proportional mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

Principles of Mathematics, Grade 10, Academic

MPM2D0

Prerequisite: MPM1D0 or MF1P0 and Transfer Course

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

Foundations of Mathematics, Grade 10, Applied

MF2P0

Prerequisite: MF1P0 or MPM1D0

This course enables students to consolidate their understanding of relationships 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 relationships. Students will investigate similar triangles, the trigonometry of right-angled triangles, and the measurement of three-dimensional objects. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Mathematics, Grade 10, Locally Developed**MAT2L0****Prerequisite: MAT1L0 or MFM1P0**

This course emphasized the extension of mathematical knowledge and skills to prepare students for success in the everyday lives, in the workplace, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

Functions, Grade 11, University Preparation**MCR3U0****Prerequisite: MPM2D0**

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; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Functions and Applications, Grade 11, University/College Preparation**MCF3M0****Prerequisite: MFM2D0 or MFM2P0**

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 financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Foundations for College Mathematics, Grade 11, College Preparation**MBF3C0****Prerequisite: MFM2P0**

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.

Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation**MEL3E0****Prerequisite: MPM1D0 or MFM1P0 or MAT2L0**

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.

Vectors, Grade 12, University Preparation**MCV4U0****Prerequisite: MHF4U0**

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the 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 plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.

Advanced Functions, Grade 12, University Preparation**MHF4U0****Prerequisite: MCR3U0 or MCT4U0**

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric 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 who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. Can be taken concurrently with or can precede Calculus and Vectors.

Mathematics of Data Management, Grade 12 University Preparation**MDM4U0****Prerequisite: Functions and Applications, Grade 11, University/College Preparation, or Functions, Grade 11, University Preparation MCF3M0 or MCR3U0**

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

Foundations for College Mathematics, Grade 12, College Preparation**MAP4C0****Prerequisite: MBF3C0**

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

Mathematics for College Technology, Grade 12, College Preparation**MCT4C0****Prerequisite: MCF3M0 or MCR3U0**

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.

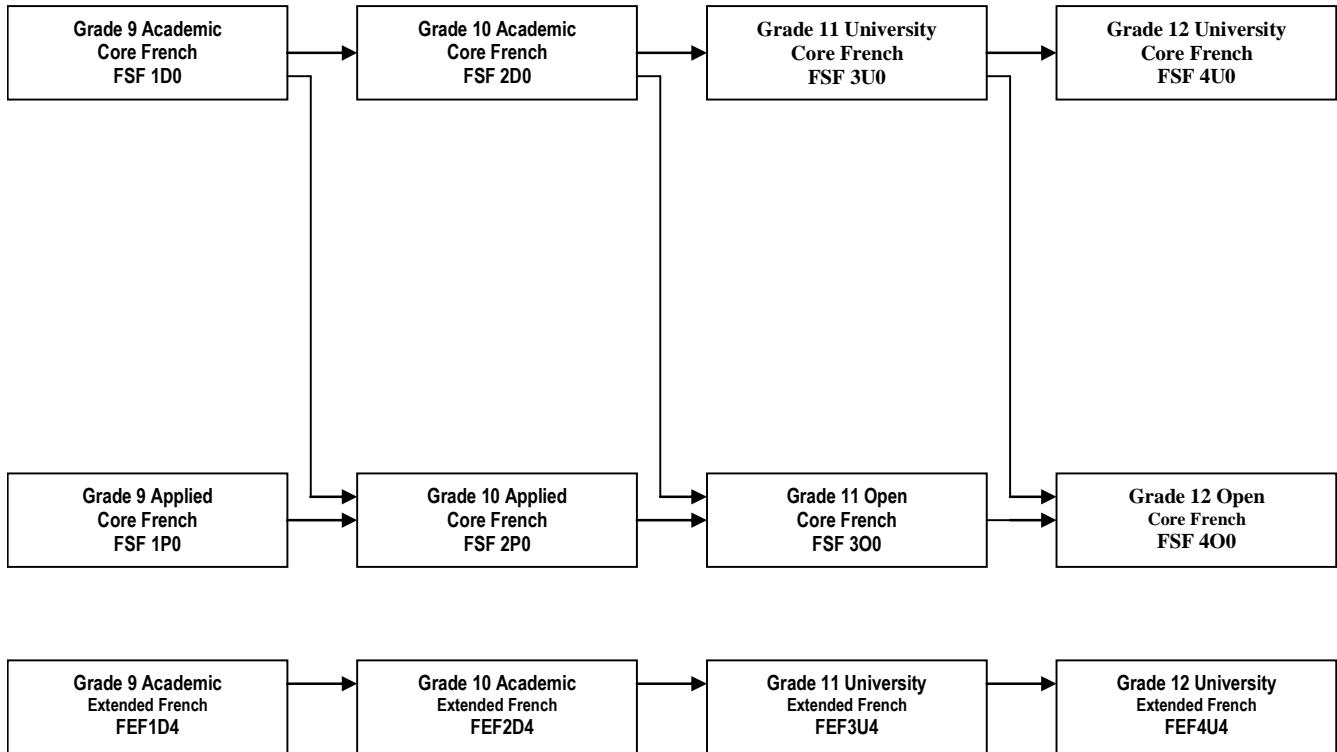
Mathematics for Work and Everyday Life, Grade 12, Workplace Preparation**MEL4E0****Prerequisite: MEL3E0**

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

Note: Transfer Courses: students lacking the specific prerequisite for a course may apply to take the required transfer. Please see Student Services for details.



MODERN LANGUAGES



MODERN LANGUAGES

The Limestone Core French Certificate: Awarded to those students who have successfully completed four credits in Core French

Certificate of French Studies (Extended French): Awarded to those students who have successfully completed a minimum of 4 extended French courses, plus 3 other subjects taught in French

CORE FRENCH

Core French, Grade 9, Academic

FSF1D0

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

Core French, Grade 9, Applied

FSF1P0

This course emphasizes the concurrent development of oral communication, reading, and writing skills using a broad-based theme such as the media. Students enhance their ability to understand and speak French through conversations, discussions, and presentations. They also read short stories, articles, poems, and songs and write brief descriptions, dialogues, and invitations.

Core French, Grade 10, Academic

FSF2D0

Prerequisite: Grade 9 Academic

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

Core French, Grade 11, University Preparation

FSF3U0

Prerequisite: Grade 10 Academic

This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

Core French, Grade 12, University Preparation

FSF4U0

Prerequisite: Grade 11 University

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

Core French, Grade 12, Open

FSF4O0

Prerequisite: Grade 11 Open or University

This course focuses on the development of French-language skills that students can use in the business world or the workplace. Students will give presentations, read a selection of materials appropriate to the topics under study, and produce a variety of written assignments. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

EXTENDED FRENCH

The Extended French program at Sydenham High School consists of the following pattern of courses.

Extended French, Grade 9, Academic

FEF1D4

This course emphasizes the expansion of students' oral communication, reading, and writing skills through the study of themes that reflect their interests. Students will apply their knowledge of French in discussions, debates, dramatizations, and oral presentations. Students will write in a variety of genres (e.g., poems, articles, brochures) and study at least one short novel intended for a French-speaking audience.

Extended French, Grade 10, Academic

FEF2D4

Prerequisite: Grade 9 Extended French or French Immersion

This course emphasizes the continued development and refinement of students' oral communication, reading, and writing skills as they explore a variety of themes. Students will expand their knowledge and appreciation of francophone culture through the study and interpretation of novels, poems, and plays intended for a French-speaking audience.

Extended French, Grade 11, University

FEF3U4

Prerequisite: Grade 10 Extended French

This course focuses on developing French-language skills through the study of Canadian francophone authors. Students will analyze a range of works and produce written assignments in a variety of genres, including the formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

Extended French, Grade 12, University

FEF4U4

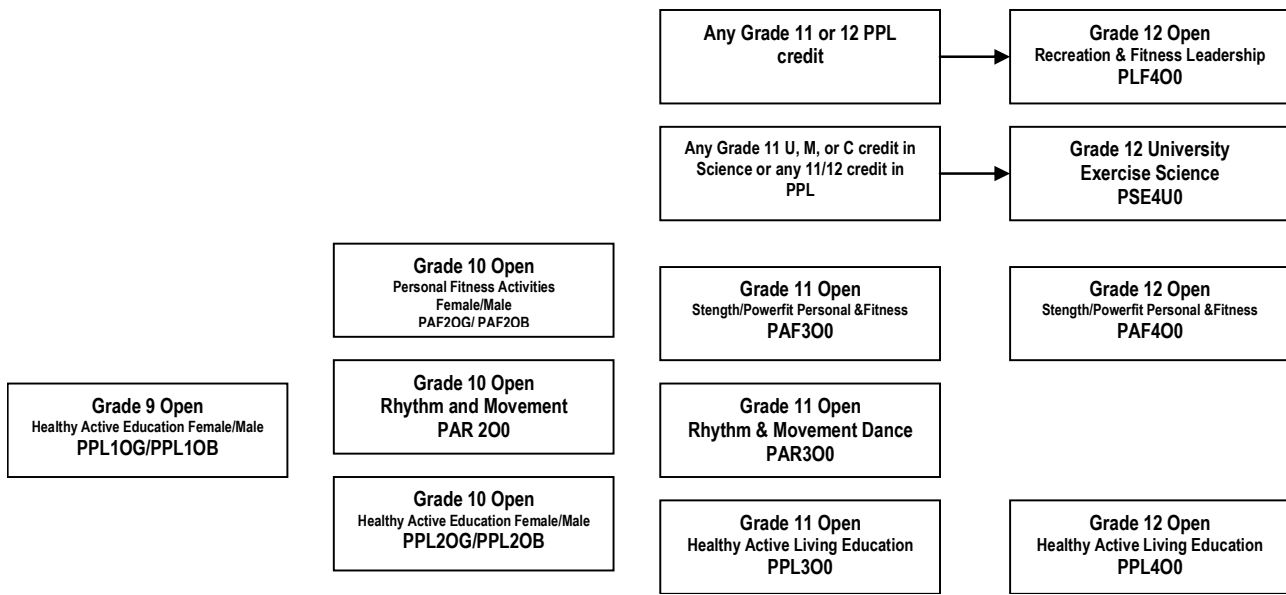
Prerequisite: Grade 11 Extended French

This course emphasizes the refinement of French-language skills through the study of Canadian and international francophone literature. Students will interpret literary works, produce written assignments in a variety of genres, and conduct research on a major topic for a written and oral presentation. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

For more information, please see a Guidance Counsellor.



HEALTH AND PHYSICAL EDUCATION



HEALTH AND PHYSICAL EDUCATION



Healthy Active Living Education, Grade 9, Open

Female

PPL10G

Male

PPL10B

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety and injury prevention. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs, and will participate in activities designed to develop goal-setting, communication, and social skills.

Healthy Active Living Education, Grade 10, Open

Female

PPL20G

Male

PPL20B

This course emphasizes regular participation in a wide variety of enjoyable physical activities that promote lifelong healthy active living. Students will apply movement principles and sport/game strategies to refine skills, actively participate in sports and games to enhance their personal competence and personal fitness. They will investigate and examine issues related to healthy sexuality, healthy eating, substance use and abuse, and will participate in activities designed to apply informed decision-making, conflict resolution and social skills in making personal choices.

Personal and Fitness Activities, Grade 10, Open

PAF200

This course is designed for students who have a particular interest in fitness, health, and nutrition and is ideal for the student who wants to set and work towards personal fitness goals. Students are encouraged to develop personal competence in a wide variety of strength and fitness-related movement skills. The Health portion of the course includes examination of issues related to healthy sexuality, healthy eating, substance use and abuse, and the use of informed decision-making, conflict resolution, and social skills in making personal choices. Emphasis will be on strength training and decision-making with reference to personal goals.

Introduction to Rhythm and Movement - Dance, Grade 10, Open

PAR200

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills. A focus on basic technique across various modes of dance (eg. Ballet, jazz, modern, hip-hop, ballroom) will allow students to develop body awareness, movement skills, personal wellness and decision-making skills.

Personal and Fitness Activities , Grade 11, Open Strength/Powerfit

PAF300

This course focuses on the development of a healthy lifestyle and participation in a variety of physical activities including his performance training. Students will be encouraged to develop competence in a variety of movement skills and will be given opportunities to practice goal setting decision making, coping, social and interpersonal skills. Students will also study healthy relationships, reproductive health, mental health and personal safety. Emphasis will be on strength training, nutrition and personal wellness.

Note: Students may take only 1 Year 3 Health and Physical Education courses.

Rhythm and Movement - Dance, Grade 11, Open**PAR300**

This course focuses on the development of a healthy lifestyle through the participation in body movement. Through a variety of different modes of dancing, e.g. ballet, jazz, hip hop, modern and line dance. Students will be encouraged to develop personal competence, decision-making as well as having the opportunity to study the components of personal wellness and decision-making in order to enhance their inter personal relationships self-confidence and self-esteem.

Healthy Active Living Education, Grade 11, Open**PPL300**

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement, and will be given opportunities to practice-goal setting, decision-making, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.

**Personal and Fitness Activities, Grade 12, Open, Strength/Powerfit
This course is an extension of the Grade 11****PAF400**

Powerfit and focuses on further development of healthy active lifestyles with emphasis on participation in physical activity that has the potential to engage students interests throughout their lives. The course will continue to allow students to develop his/her physique and knowledge of fitness training methods through free and machine assisted resistance training. As well a major component of the course will be placed on leadership development where the students will complete a "personal trainer" placement with selected groups of individuals as specified by the instructor.

Healthy Active Living Education, Grade 12, Open**PPL400**

This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others.

Exercise Science, Grade 12, University Preparation**PSE4U0**

Prerequisite: Any Year 3 or university/college preparation course in science, or any Year 3 or 4 open course in health and physical education.

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

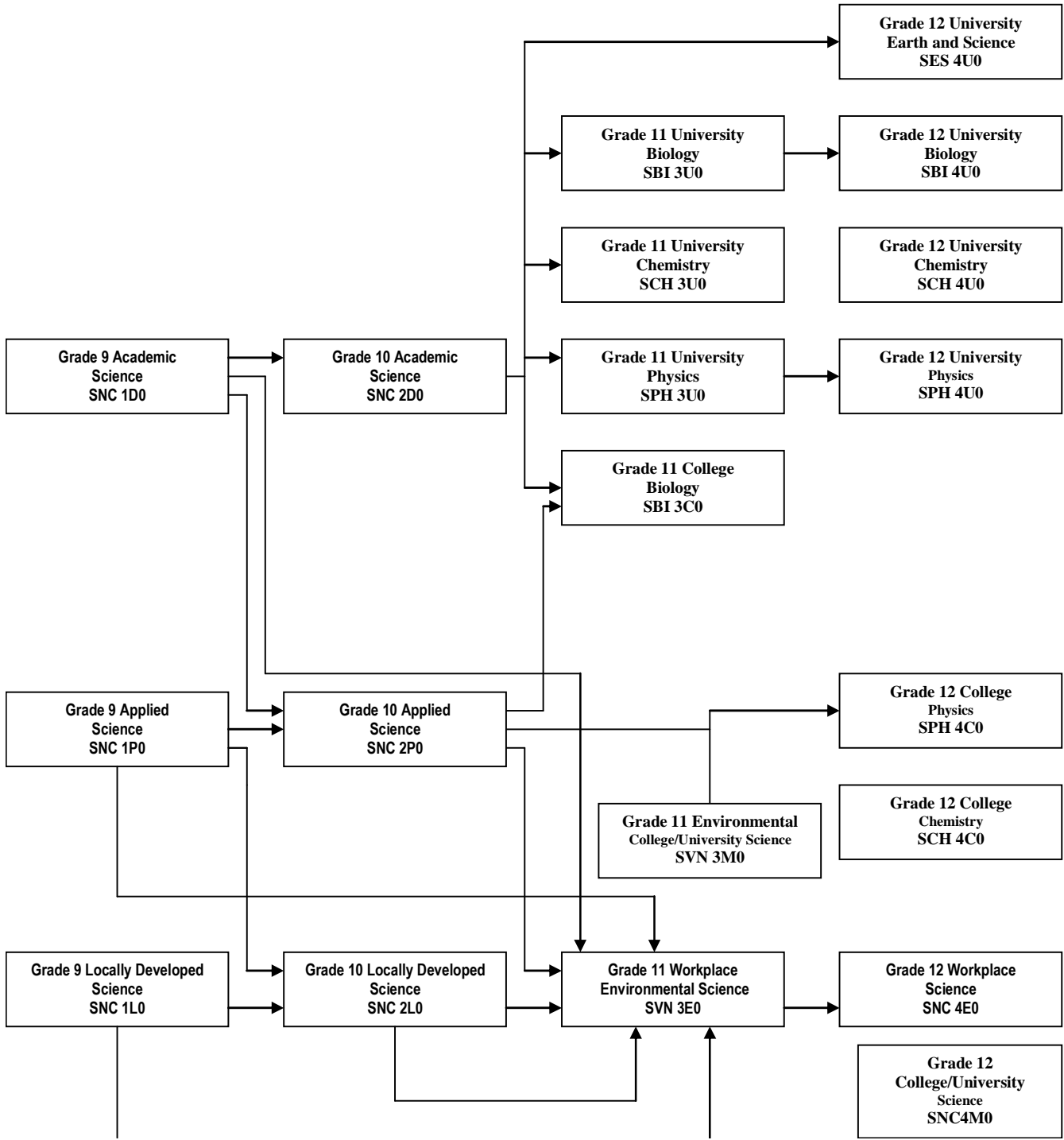
Recreation and Fitness Leadership, Grade 12, College Preparation**PLF4C0**

Prerequisite: Any year 3 or year 4 open course in health and physical education

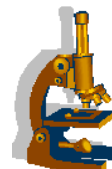
This course focuses on the development of leadership and coordination skills related to recreational and outdoor activities. Students will acquire the knowledge and skills through mentoring both in the outdoor environment and the traditional classroom and gymnasium environment. This will enable them to plan, organize, and implement recreational and outdoor events. They will also learn how to promote the value of physical fitness, personal well being and personal safety to others. The course will prepare students for college programs, in recreation, leisure, fitness leadership and outdoor educati



SCIENCE



SCIENCE



The following courses are offered by the Science Department: BIOLOGY, CHEMISTRY, PHYSICS, SCIENCE

Science, Grade 9, Academic

SNC1D0

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.

Science, Grade 9, Applied

SNC1P0

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.

Science, Grade 9, Locally Developed

SNC1L0

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

Science, Grade 10, Academic

SNC2D0

Prerequisite: SNC1D0 or SNC1P0

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

Science, Grade 10, Applied

SNC2P0

Prerequisite: SNC1D0 or SNC1P0

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.

Science, Grade 10, Locally Developed**SNC2L0****Prerequisite: None**

This course emphasized reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace and in the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in the media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

Biology, Grade 11, University Preparation**SBI3U0****Prerequisite: SNC2D0**

This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the area of biodiversity; evolution; genetic processes; the structure and function of animals; and 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.

Biology, Grade 11, College Preparation**SBI3C0****Prerequisite: SNC2D0 or SNC2P0**

This course focuses on the processes involved 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.

Chemistry, Grade 11, University Preparation**SCH3U0****Prerequisite: SNC2D0**

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.

Physics, Grade 11, University Preparation**SPH3U0****Prerequisite: SNC2D0**

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

Environmental Science, Grade 11, Workplace Preparation**SVN3E0****Prerequisite: SNC1D0 or SNC1P0 or SNC1L0 or SNC2L0**

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

Environmental Science, Grade 11, University/College Preparation**SVN3M0****Prerequisite: SNC2D0 or SNC2P0**

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.

Science, Grade 12, University/College Preparation**SNC4M0****Prerequisite: SNC2D0 or any Grade 11 University, University/College or College Science**

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

Biology, Grade 12, University Preparation**SBI4U0****Prerequisite: SBI3U0**

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.

Chemistry, Grade 12, University Preparation**SCH4U0****Prerequisite: SCH3U0**

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.

Chemistry, Grade 12, College Preparation**SCH4C0****Prerequisite: SNC2D0, SNC2P0**

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.

Earth and Space Science, Grade 12, University Preparation**SES4U0****Prerequisite: SNC2D0**

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

Physics, Grade 12, University Preparation**SPH4U0****Prerequisite: SPH3U0**

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 analyze, 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.

Physics, Grade 12 College Preparation**SPH4C0****Prerequisite: SNC2D0 or SNC2P0**

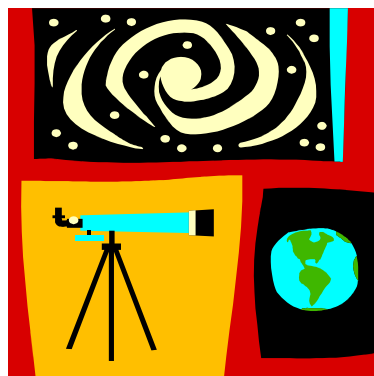
This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will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

Science, Grade 12, University/College Preparation**SNC4M0****Prerequisite: SNC2D0 or any Grade 11 University, University/College, or College Science Course**

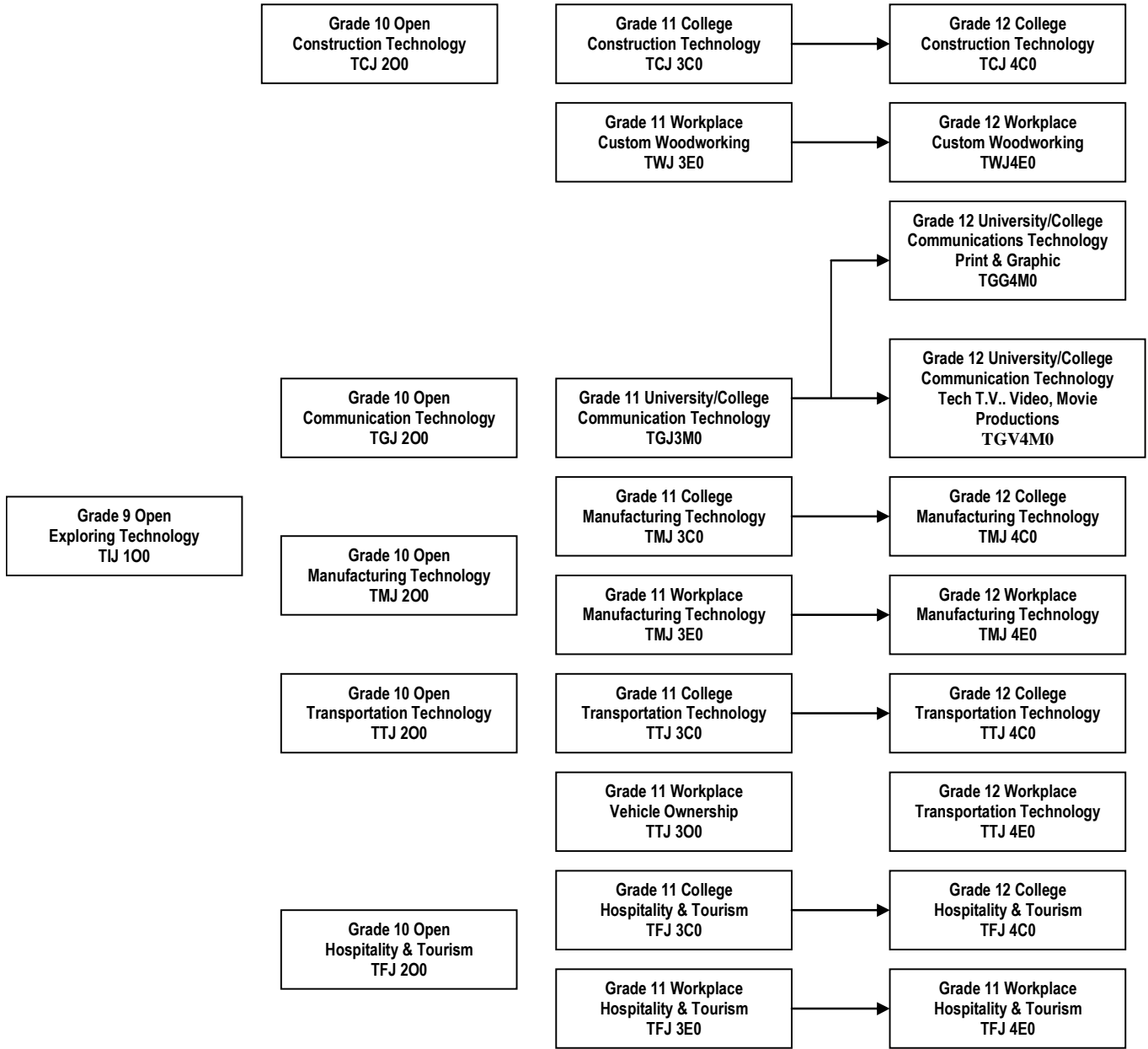
This course enables students, including those pursuing post-secondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and helps refine student' scientific investigation skills.

Science, Grade 12 Workplace Preparation**SNC4E0****Prerequisite: SNC2P0 or SNC2L0**

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



TECHNOLOGICAL STUDIES





TECHNOLOGICAL STUDIES

Exploring Technologies, Grade 9, Open

TIJ100

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

Construction Technology Grade 10, Open

TCJ200

Prerequisite: None

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

Communications Technology, Grade 10, Open

TGJ200

Prerequisite: None

This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields. \$ 20.00 fee.

Hospitality and Tourism Technology, Grade 10, Open

TFJ200

Prerequisite: None

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

Manufacturing Technology, Grade 10, Open

TMJ200

Prerequisite: None

This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or moulding. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary and postsecondary pathways leading to careers in the industry.

Transportation Technology, Grade 10, Open

TTJ200

Prerequisite: None

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

Communications Technology, Grade 11, University/College Preparation**TGJ3M0****Prerequisite: None**

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

\$ 20.00 fee.

Construction Engineering Technology, Grade 11, College Preparation**TCJ3C0****Prerequisite: None**

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

Custom Woodworking, Grade 11, Workplace Preparation**TWJ4E0****Prerequisite: None**

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation.

Hospitality and Tourism, Grade 11, College Preparation**TFJ3C0****Prerequisite: None**

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry.

Hospitality and Tourism, Grade 11, Workplace Preparation**TFJ3E0****Prerequisite: None**

This course enables students to acquire knowledge and skills related to the food and beverage services sector of the tourism industry. Students will learn how to prepare, present, and serve food using a variety of tools and equipment and will develop an understanding of the fundamentals of providing high quality service to ensure customer satisfaction and the components of running a successful event or activity. Students will develop an awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

Transportation Technology, Grade 11, College Preparation**TTJ3C0****Prerequisite: None**

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.

Transportation Technology, Vehicle Ownership, Grade 11, Open**TTJ300****Prerequisite: None**

This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry. This course may be of special interest to female students wanting to explore vehicle ownership and maintenance.

Manufacturing Engineering Technology, Grade 11, College Preparation**TMJ3C0****Prerequisite: None**

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

Manufacturing Technology, Grade 11, Workplace Preparation**TMJ3E0****Prerequisite: None**

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

**Communications Technology, Grade 12, Communications Technology;
University/College Preparation, Print & Graphic Communication****TGG4M0****Prerequisite: TGJ3M0**

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

Students will focus

on graphic design work in this course. Adobe Photoshop, Macromedia Fireworks, vector and raster graphics, provide a foundation for student projects

**Communications Technology, Grade 12, Communications Technology;
University/College Preparation, T.V., Video & Movie Production****TGV4M0****Prerequisite: TGJ3M0**

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

Construction Engineering Technology, Grade 12, College Preparation **TCJ4C0**
Prerequisite: TCJ3C0

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

Hospitality and Tourism, Grade 12, College Preparation **TFJ4C0**
Prerequisite: TFJ3C0

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

Hospitality and Tourism, Grade 12, Workplace Preparation **TFJ4E0**
Prerequisite: TFJ3E0

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

Manufacturing Engineering Technology, Grade 12, College Preparation **TMJ4C0**
Prerequisite: TMJ3C0

This course focuses on advanced manufacturing and engineering and provides students with an opportunity to develop specialized knowledge and skills used in sophisticated production processes. Students will solve problems, make the decisions necessary to develop a product for manufacture, and examine production methods, quality control systems, and environmental and societal impacts. Students will be able to design and build their own project.

Manufacturing Technology, Grade 12, Workplace Preparation **TMJ4E0**
Prerequisite: TMJ3E0

This course focuses on drafting and design, machining, welding, computer numerical control (CNC), computer-assisted machining (CAM), motor control, hydraulic control, pneumatic control, and computer control. Students will use sophisticated design and manufacturing systems to design and fabricate tooling, to program CNC equipment.

Woodworking, Grade 12, Workplace Preparation **TWJ4E0**
Prerequisite: TWJ3E0

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

Transportation Technology, Grade 12, College Preparation

TTJ4C0

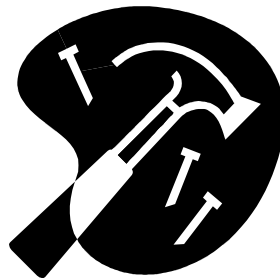
Prerequisite: TTJ3C0

This course examines the alternative modes of mass transit to enable students to develop the specialized knowledge and skills required to work with sophisticated land, air, and/or marine vehicles and transportation systems. 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; and investigate the education requirements of career opportunities in the transportation sector.

Transportation Technology, Vehicle Maintenance Grade 12, Workplace Preparation TTJ4E0

Prerequisite: None

This course examines the commonalities of land, air, and/or marine vehicles and transportation systems. Students will develop safe workplace habits and business management skills and will use diagnostic, hand, and power tools effectively to service and repair vehicles to meet industry standards and safety inspections. They will also research the entry requirements for apprenticeship training programs and develop the employability and technical skills required for entry into the workplace.



School to Community

School to Community Services (SCS) is committed to the principle that all students can learn in a supportive environment within an inclusive school community. Students receiving SCS are a diverse group of learners with developmental disabilities who may require support in the areas of communication, socialization, daily living skills, motor skills, and behaviour. Students follow a course of study intended to prepare them for their post-secondary pursuits, which commonly include post-secondary education, apprenticeship programs, employment in the workplace, and independent community living.

Orientation to secondary school begins for students during their last year of elementary school through a personalized transition process. The secondary school program stresses inclusion in academics, school life, and the community. Students receiving SCS access credit courses through the school's Course Selection Process. Inclusion in credit courses can occur as per the strengths, needs, and goals outlined in the student's IEP. Students receiving SCS may be included in courses either for credit or for experiential/skills development. The course's expectations can be modified as needed.

Programming within the SCS program is comprised of alternative courses of study (K courses). The * asterisk in the course description refers to grade level which varies ("A" for Grade 9, "B" for Grade 10, and so forth).

The following alternative "K" courses are offered within SCS programs at all secondary schools within the LDSB:

KFL*NM, Personal Life Skills

This course includes any combination of the alternative expectations or curriculum expectations from the Ontario Curriculum. Students participate in the resource period to improve general skills in communication, mathematics, social, vocational, self-help or motor areas. This resource period is also used for students who require assistance in completing work for their credit courses. Students may participate in several resource periods throughout their secondary school years.

KEN*NM, Language and Communication Development

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

KMM*NM, Numeracy and Numbers

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

KHD*NM, Social Skills Development

This course involves the development of the individual in his/her relationships with and response to others. The IEP becomes the definition of the course and may include components from the following program areas: Awareness of Self and Others, Self Control/Conflict Resolution/Anger Management, Decision Making and/or Problem Solving.

KGW*NM, Exploring the World of Work

This course involves the development of skills related to employment. The IEP becomes the definition of the course and may include components from the following program areas: Job Searching Skills, Specific Work Skills, Work Etiquette, and/or Documentation Requirements.

KPP*NM, Self Help and Self Care

This course involves the development of skills required for independent living. The IEP becomes the definition of the course and may include components from the following program areas: General Self Help/Life Skills, Community Awareness, Home Making Skills, Health and Safety and/or Advocacy Skills.

KPF*NM, Personal Health and Fitness

This course involves the development of physical fitness and good health skills. This component may also involve the development of movement and coordination (gross motor) and/or the development of the small muscles (fine motor). The IEP becomes the definition of the course and may include component from the following program areas: Pre-ambulatory Skills, Basic Movement Skills, Basic Gross Motor Skills, Wheelchair Training and/or Fitness Skills.

Section Three: School Organization

Semesters

Sydenham High School is a semestered school. In each semester, students take up to four credit courses from September to January and up to 4 credit courses from February – June. There are final summative evaluations / exams in January and June. For specific dates, please refer to the Limestone District School Board calendar. Each course in each semester is 110 hours in length.

Reporting Periods

There are two formal reporting periods per semester. Midterm reports are distributed in November and April, final reports in February and June. Early reports are distributed in October and March to students as required. For specific dates for reporting student achievement at Sydenham High School, please refer to the School Handbook.

Definition of a Credit

A credit is granted as a means of recognizing the successful completion of a course for which a minimum of 110 hours is scheduled. A credit is granted to a student by the Principal of a secondary school on behalf the Minister of Education.

Types of Courses

The provision of different types of courses in the secondary school program is designed to provide all students with the essential knowledge and skills they will need in any area of endeavour, as well as the opportunity to specialize in areas that are related to their particular postsecondary goals or pathways.

Grades 9 and 10:

- **Academic courses** develop students' knowledge and skills through the study of theory and abstract problems. These courses focus on the essential concepts of a subject and explore related concepts as well. They incorporate practical applications as appropriate.
- **Applied courses** focus on the essential concepts of a subject, and develop students' knowledge and skills through practical applications and concrete examples. Familiar situations are used to illustrate ideas, and students are given more opportunities to experience hands-on applications of the concepts and theories they study.
- **Locally Developed courses** develop students' knowledge and skills through the focus on essential skills in Math, English and Science. Locally developed courses provide flexibility to explore practical application of concepts through hands-on learning.
- **Open courses** are designed to broaden students' knowledge and skills in subjects that reflect their interests and to prepare them for active and rewarding participation in society. They are not designed with the specific requirements of universities, colleges, or the workplace in mind.



Grades 11 and 12

- **College preparation courses** are designed to equip students with the knowledge and skills they need to meet the entrance requirements for college programs.
- **Open courses** are also available in Grades 11 and 12. Open courses contain expectations that are appropriate for all students and are not linked to any specific post-secondary destination.
- **University preparation courses** are designed to equip students with the knowledge and skills they need to meet the entrance requirements for university programs.
- **University/college preparation courses** are designed to equip students with the knowledge and skills they need to meet the entrance requirements for specific programs offered at universities and colleges.
- **Workplace preparation courses** are designed to equip students with the knowledge and skills they need to meet the expectations of employers, if they plan to enter the workplace directly after graduation, or the requirements for admissions to certain apprenticeship or other training programs.

Common Course Codes

The common course code consists of the following components, designated by the Ministry of Education. Each course code has five coded characters; a sixth is reserved for board use. For example, the Grade 10 Academic Mathematics course is MPM2D.

Mathematics	MPM	2	D
Course Title	Course Code	Grade of course	Course Type
		“1” - Grade 9	(L/P/D/O)
		“2” - Grade 10	(L/P/D/O)
		“3” - Grade 11	(U/C/M/E/O/L)
		“4” - Grade 12	(U/C/M/E/O/L)
		“D” – Academic (Grade 9/10 only)	“P” – Applied (Grade 9/10 only)
		“O” – Open	“U” – University
		“M” – University/College	“C” – College
		“E” – Workplace	“L” – Locally Developed

Course Selection

Your choice will depend on your strengths, your interests, and the way you learn best. Remember that you can choose different course types in different subjects – or the same type in all subjects. Your parents, teachers, guidance counsellor, and principal can provide you with more information, strategies for making decisions, and an opportunity to discuss your ideas about the choices you have to make.



Course Changes

Students wishing to change a course must see a guidance counsellor. Parental approval is required for students under the age of 18.

Course Availability

The availability of any course is dependent upon the number of students requesting it, the teacher, time, and facilities available. This decision will be made by the school administration. The school and the Board reserve the right to adjust the master timetable as required by staffing and budgeting guidelines.

Credit Attainment and Provincial Standard

Credits are granted with a minimum grade of 50%, in all courses. Provincial standard, however, is set at 70%. This means if a student achieves a minimum of 70%, he or she is prepared to take the next course at the same stream [academic, applied, college, university/college, university, workplace]. If a student achieves a grade of less than 70%, he or she may experience difficulty in a subsequent course due to not having achieved certain expectations from the previous course. If this is the case, a student may consider upgrading. Please contact your school's Student Services department for more information.

Ontario Student Record (OSR): Recording & Reporting Procedures

The Ontario Student Record (OSR) is the official school record for a student. Every Ontario school keeps an OSR for each student enrolled at the school. The OSR contains achievement results, credits earned, diploma requirements completed, and other information important for the educational programming of the student. Students and their parents/guardians (if the student is under 18) may request to examine the contents of the OSR. Appointments are required, please contact Student Services. The Education Act and Freedom of Information legislation protect the Ontario Student Record.

Ontario Student Transcript (OST): Recording & Reporting Procedures

The Ontario Student Transcript is an official and consistent record of a student's achievement in Ontario secondary school credit courses. A current, accurate and complete copy of the OST will be included within the Ontario Student Record.

Full Disclosure for Grades 11 and 12

Ministry of Education policy states that all grade 11 and 12 courses attempted by a student must be recorded on the Ontario Student Transcript (OST). Any grade 11 or 12 course, whether completed successfully or unsuccessfully, or from which a student has withdrawn, will appear on the student's OST. Courses dropped appear with a "w", and do not count toward the student's average. Full Disclosure takes effect five (5) instructional days following the issuance of the midterm provincial report card. Students taking Dual Credits should consult their guidance counsellor regarding full disclosure dates associated with college.

Section Four: Student Support and Resources

The Student Success Team – Reaching Every Student

The Limestone District School Board, through its secondary school program, is committed to equip all students with the knowledge, skills, attitudes and experiences they need for successful outcomes that will ensure smooth transitions to the postsecondary destinations of their choice.

Sydenham High School offers educational programs that promote high standards while providing students with learning opportunities and supports needed for success.

Early success in high school is essential. Statistics in Ontario show very clearly that successful completion of courses during grades 9 and 10 is a significant factor in students remaining engaged in school.

Successful completion of secondary education in Ontario is important and a valuable step towards postsecondary opportunities. Students may create or choose a program pathway that prepares them for direct entry to apprenticeship programs, college, community living, university and/or the workplace.

There is value, honour and dignity in all postsecondary destinations and all sectors of employment. A student's **Program Pathway** is his or her educational program and reflects the goals that help motivate him or her to complete secondary school. Building a successful pathway through school requires planning and is a cooperative effort involving students, parent/guardians, teachers and guidance counsellors. Factors that must be considered in planning include:

- Most recent levels of achievement
- Preferred learning style
- Strengths, interests and abilities
- Immediate educational needs

Appropriate course selection and a proactive plan for success are important. All Limestone DSB schools have a strong focus on **Student Success**. Classroom teachers, Student Success Teachers, Guidance Counsellors, Learning Support Teachers, Adolescent Care Workers and Administrators form strong School Success Teams dedicated to successful outcomes for all students. For students making the transition from grade 8 to 9, there are significant supports in place in addition to orientation activities while ensuring a smooth transition to high school [caring adult, mentoring, individualized timetable & pathways information]. For all students there are expanded opportunities designed to ensure successful completion of high school – Focus Programs, Alternative Programs, Cooperative Education and Work Experiences, Certification Training, Dual Credits, E-Learning and the Specialist High Skills Major. This course calendar is a valuable tool to assist families in planning and reviewing a pathway to success for all students. **It is our goal that every student will be a success!**

Credit Completion (Credit Rescue & Credit Recovery)

All schools have an interventions process in place. The Student Success Team will assist those students requiring additional support in achieving their credits and, in exceptional circumstances, a student may have the option of completing the credit through Credit Completion.

Guidance

The Guidance and Career Education Program is a vital and integral part of Sydenham High School. The main purpose of the Guidance Program, as outlined in Choices Into Action: Guidance and Career Education Program Policy for Elementary and Secondary Schools, 1999, is to help students acquire the skills, knowledge and attitudes necessary to:

- ✓ Know and appreciate themselves;
- ✓ Relate effectively to others;
- ✓ Develop appropriate educational plans;
- ✓ Explore career alternatives.

Teacher Counsellors in Student Services encourage students and parents to participate in the programs, workshops, lessons and individual sessions intended to assist in a successful journey through high school and into post-secondary life. There are many resources to help students with their planning. Post-secondary calendars, workplace information sessions, the Ontario Youth Apprenticeship Program as well as online career programs such as Career Cruising and My Blueprint. For more information, please contact Student Services.



Special Education Policies & Programs

The Limestone District School Board's philosophy of special education programs and services is derived from a mission statement developed collaboratively by the Special Education Advisory Committee (SEAC) and Educational Services. This philosophy is based upon the school being the center of an inclusive community. Students are active participants who can and should be taught to advocate for their own needs so that they have the opportunity to achieve their maximum potential.

The philosophy of programs and services results in a delivery model which provides for availability of services to all students regardless of exceptionality. The Identification, Placement and Review Committee (IPRC)'s option of first consideration for placement is the regular classroom. Underlying this option is a focus on provision of individualized support through program delivery in the regular classroom.

Increasing level of pupil need results in utilization of more highly intensive supports including resource withdrawal programs, alternative focus programs and special education class placement.

Special Education Advisory Committee

The Special Education Advisory Committee (SEAC) includes representatives from community parent groups, the Board of Education, the trustee group and others who have an interest in special education. The SEAC mandate is to advise the Board on matters related to the education of exceptional students.

Special Education Plan

The Limestone Board's plan is reviewed annually and amended as needed to meet the needs of exceptional students. For more information about the plan or to obtain a copy of it, please visit the Educational Services site at www.limestone.on.ca. Copies of the booklet, *Understanding the IPRC Process: A Parent Guide*, are available through the school office.

A full description of Special Education programs and services may be found on the board's web page at www.limestone.on.ca

Accommodations and Modifications

Accommodation refers to the special teaching and assessment strategies, human supports, and/or individualized equipment required enabling a student to learn and to demonstrate learning. Accommodations do not alter the provincial curriculum expectations for the grade or course.

Modifications are changes made in the grade-level expectations for a subject or course in order to meet a student's learning needs. In most secondary school courses, modifications typically involve changing the number and/or complexity of the regular grade-level overall curriculum expectations. In situations where modifications have been extensive, the principal will determine whether a credit can be granted

Learning Program Support (LPS)

Special Education support is available in all secondary schools through Learning Program Support (LPS). LPS teachers provide assistance to students who have been identified with a learning exceptionality through the Individual Placement and Review Committee (IPRC) process. LPS facilitates the development, monitoring, and updating of each student's Individual Education Plan (IEP) in close collaboration with classroom teachers. In addition, LPS also supports students who have not been identified with a learning exceptionality through the IPRC process but still benefit from receiving specialized learning supports. LPS teachers work closely with classroom teachers, school administration, the school's Success Team, parents, Educational Assistants, Educational Services, and community agencies to support students' educational programming and planning.

Additional supports are not limited to but include the following:

- ✓ Working with classroom teachers to deliver supports for students within the regular classroom;
- ✓ Ongoing monitoring of students' progress;
- ✓ Providing students with a scheduled support period during the school day;
- ✓ Delivering Learning Strategies courses;
- ✓ Supporting students' program accommodations (e.g. providing an alternative setting and/or extra time for classroom assignments, summative evaluations, and culminating activities; facilitating assistive technology support, etc.)
- ✓ Providing support to classroom teachers with program modifications;
- ✓ Facilitating home/school communication;
- ✓ Counselling and referral to community and/or board services.

Tutoring

Tutoring assistance is available in many different forms. Many classes have peer tutors working within the class to provide extra support and some peer tutors, where possible, are able to provide extra assistance outside of class time. For more information, contact Student Services.

The Library Resource Centre

The Library Resource Centre is an integral support for students who are working on classroom assignments or who are looking for an engaging book to read. The library is managed by a full-time teacher librarian who selects a wide range of fiction and non-fiction works for both students and teachers. The librarian is available to students for assistance with book selection, essay writing or research help. The library provides computers with Internet access and printer capabilities. In addition, an on-line database service is available to all Limestone students. Databases can be accessed through the school network or home internet connections. Home access codes for databases are available from the school librarian. School library computers are available for research, word processing, and other school related activities. Students accessing the Internet at school are required to have signed an "Acceptable Computer Use Agreement".

English Language Learners (ELL)

English Language Learners [ELL] are students whose first language is a language other than English and who may require focused educational supports to assist them in attaining proficiency in English. For more information about accommodations to support English Language Learners, please contact Student Services. Academic, career counselling and referrals to community agencies to assist students as they settle into a new educational environment is also available through Student Services.

The Adolescent Care Worker (ACW)

The Adolescent Care Worker (ACW) supports students with social and emotional concerns that may interfere with academic success. Adolescent Care Workers act as student advocates and mentors, as well as provide support through individual and small group programs and counseling. Adolescent Care Workers facilitate referrals to community resources and work with agencies and school personnel to bring about positive outcomes for youth by acting as a liaison between school, community agencies and family.

Aboriginal Support Counsellor

The Limestone District School Board has a student support counsellor to support self-identified First Nation Metis and Inuit students. The support counsellor is accessed through school administrators. If you require such support, please contact a guidance counsellor, an administrator, an adolescent care worker, or a student success teacher.

Community Resources

Sydenham High School works with the following organizations:

- * Kairos
- * Pathways for Children and Young
- * LDSB Education Services
- * FERC

Section Five: Expanded Opportunities

What are Expanded Opportunities?

The Ontario curriculum is offering more ways to succeed in high school. These Expanded Opportunities are designed to meet individual learning styles, goals and interests in order to better prepare students for graduation and beyond.

The Limestone District School Board offers the following Expanded Opportunities for students pursuing apprenticeship, college, university or the workplace:

- **Cooperative Education**
- **Dual Credits.**
- **E-Learning**
- **Focus Programs**
- **OYAP**
- **Specialist High Skills Majors**

Co-operative Education

What is it?

Co-operative education programs promote skill development, self-awareness and career preparation. Knowledge and skills acquired through the in-school component are integrated through practical application in a community- based placement. Students returning for a fifth year may find the co-op experience particularly beneficial in terms of gaining valuable career insight and work experience. Co-operative education credits may used to fulfill compulsory credit requirements for Groups 1, 2, or 3. Please refer to Section Two: Requirements for the OSSD for specific details.

Who it's for

Primarily for students in grades 11 and 12 who are heading for apprenticeship, college, university or the workplace. Students may be required to complete an interview process prior to entering the co-operative education program. Students are strongly encouraged to complete the majority of their compulsory credits prior to application. *For more information, please contact your Guidance Counsellor or Student Success Teacher.*

How it helps

Students have the opportunity to

- ✓ Experience hands-on learning
- ✓ Test-drive career options
- ✓ Develop a broad range of essential skills and attitudes required in the workplace
- ✓ See the relevance of their classroom learning and its connection to the workplace
- ✓ Gain valuable work experience to help build a resume for post secondary programs & future employment.

Dual Credits

What are they?

Students participate in apprenticeship training and college courses, which allow them to earn credits that count towards their high school diploma and / or their college diploma or their Phase One for Apprenticeship.

Who they're for

Students who need learning opportunities outside of high school and who would benefit from a college experience. *For more information on how to qualify for dual credit programs, please contact your Guidance Counsellor or Student Success Teacher.*

How it helps

Students have the opportunity to

- ✓ Earn high school or college credits while studying at a local college
- ✓ Gain experience that will help them with their post secondary education or apprenticeship
- ✓ Experience increased self confidence & motivation
- ✓ Get a head start on post secondary learning & training for future careers.

E- Learning

What is it?

Students may qualify to earn high school credits by taking a course on-line. The Limestone District School Board currently offers a variety of on-line courses taught by qualified teachers who look forward to providing innovative, relevant and engaging e-learning experiences.

In addition, the Limestone District School Board is a member of the Ontario E-Learning Consortium. Students may be able to access courses beyond our District offerings through the Ontario E-Learning Consortium. Some courses offered within the Ontario E-Learning Consortium may further help students specialize in preparation for their post-secondary plans.

Who it's for

E-Learning options are available to all students registered with the Limestone District School Board. You may be an ideal candidate for E-Learning if you have high achievement in the Learning Skills (Responsibility, Organization, Independent Work, Collaboration, Initiative, and Self-Regulation).

E-Learning requires the same time commitment as traditional day-school classes. However, the method of delivery allows for flexibility – students may complete course work outside of the traditional school day.

How it helps

Students have the opportunity to

- ✓ Achieve credits towards an Ontario Secondary School Diploma
- ✓ Access a course that may otherwise be unavailable
- ✓ Further develop learning skills
- ✓ Provides flexibility to study using computers at home or at school
- ✓ Practice learning in an on-line environment in preparation for E-Learning courses offered at colleges, universities, and in the workplace.

Focus Programs

What are they?

Focus Programs are bundles of credits that concentrate on specific areas of interest and provide students with the opportunity for both academic and experiential learning. Focus programs are organized into categories representing the post secondary pathways [Apprenticeship, College, University, Workplace] while providing the necessary skills and training for further study in that pathway.

Who they're for

Focus Programs are packages of courses designed for senior students. *For more information, pick up a copy of the Red Book available in Student Services.*

How it helps

Students have the opportunity to

- ✓ Work together with the benefit of specialized equipment and training
- ✓ Make informed career decisions
- ✓ Explore a unique interest or passion through experiential learning
- ✓ Ensure with a smooth transition to post secondary education or the work of work

Ontario Youth Apprenticeship Program [OYAP]

What is it?

OYAP is a hands-on training program for students who aspire to work in a skilled trade. Apprenticeship training allows students to earn an Ontario Secondary School Diploma [OSSD] while acquiring the necessary sector-specific skills while working with a qualified tradesperson. Some OYAP training takes place in the classroom however, the majority of the training occurs in the workplace. At present, a projected shortage of skilled labourers provides exciting opportunities within this pathway. Financial assistance in the form of government grants and loans are available for students wishing to pursue an apprenticeship.

Who it's for

Students must be 16 years of age, have completed grade 10 and be enrolled in the cooperative education program. *For more information, please contact your Guidance Counsellor or the LDSB Ontario Youth Apprenticeship Coordinator.*

How it helps

Students have the opportunity to

- ✓ Acquire sector specific and specialized training
- ✓ Participate in hands-on and experiential learning
- ✓ Earn high school credits as well as receive apprenticeship hours
- ✓ Receive government loans for trade tools
- ✓ Gain valuable contacts within the trades industry for future employment

Specialist High Skills Major (SHSM)

What is it?

Completion of a Specialist High Skills Major (SHSM) recognizes a student has achieved the necessary credits, skills, knowledge and sector certifications associated with a specific industry or lifelong passion. Arts & Culture, Construction, Energy, Forestry, Health & Wellness, Hospitality & Tourism and Manufacturing are currently offered in Limestone. The following components comprise all Specialist High Skills Majors: a bundle of 8-10 credits including 4 credits [two grade 11 credits and two grade 12 credits] in the subject major along with contextualized learning activities and a two credit co-op for experiential learning, 6-7 sector recognized certifications, completion of the Ontario Skills Passport and designated Reach-Ahead activities. For more information on SHSM, please see Student Services.

Who it's for

Students who want to customize their high school experience to suit their interests and talents while preparing them for a successful post secondary transition to apprenticeship, college, university or the world of work. *For more information, please contact Student Services.*

How it helps

Students have the opportunity to

- ✓ Explore an interest or passion through focused SHSM courses
- ✓ Gain essential on the job skills through the cooperative education component
- ✓ Earn valuable industry certification, including First Aid and CPR.
- ✓ Demonstrate commitment & proficiency in an industry sector
- ✓ Make more informed career decisions
- ✓ Provide exemplary evidence of achievement to post secondary institutions and employers

The Limestone Skills Training Centre for Youth (LSTYC)

Located at 66 Harvey Street, previous site of the Enviroworks Focus Program, the LSTCY lies in the heart of Kingston north with access to all city and rural LDSB locations. The Training Center is part of the LDSB, re-engagement strategy that will provide a fixed location enabling senior students and staff in the LDSB to actively participate in the completion of sector specific training in, Fall Protection, WHMIS, Elevated Platform, Lift Truck and more.

The intended audience will be students seeking direct entry to the workplace, or students requiring additional certification to enhance post secondary opportunities and apprenticeship. In addition the center will provide a practical space to supplement the hands on components required in trade related calculations and communications tutorials. LDSB Facility Services staff will also centralize their training needs and will be an active partner in the implementation and use of the centre.

The LSTYC, currently under renovation will also become the new home of the Limestone Ontario Youth Apprenticeship Program providing a more visible, centralized service accessible to students in all LDSB Secondary schools and Alternative Learning Centres.

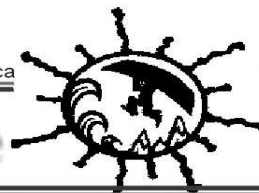
The anticipated opening date for the LSTCY is the first week of February 2011.

Section Six: Alternative Ways of Achieving Credits

Limestone District School Board

Web Site: www.gouldlake.ca

Gould Lake Outdoor Centre



Harrowsmith P.S., Harrowsmith, ON, K0H 1V0 • Phone: 613 372-1442 • Fax: 613 372-1902 • Email: outed@limestone.on.ca

Gould Lake Outdoor Centre - Summer Programs 2011

Register on-line at www.gouldlake.ca starting January 18, 2010.

Follow the links from the home page for 'Registration 2011' for all applications and information. Registrations will be accepted online as well as by mail or in-person at the Gould Lake Outdoor Centre office.

Note: The Gould Lake Outdoor Centre provides the transportation, tents, packs and food for all trips.

QUEST & GAP (Girls Adventure Program)

(Grade 7 & 8 graduates)

Quest and **GAP** are introductory courses for students with no previous canoe/camping experience. Following 3 days of skills-training (days only) at Gould Lake, students will embark on a 5-day local canoe trip in Frontenac Park. **Quest** and **GAP** explore challenges faced by students as positive members of society, and focuses on personal growth and confidence. **Quest** is co-ed, while **GAP** is for females only. Supervisor to student ratio is 1:5

Cost: \$330

Credit: PAD10 (Part 1) (0.5 credit, PHE)

Prerequisite: Grade 7 graduate

Dates:

GAP – July 17-24 (Girls Only)

Quest 1 – July 8-15

Quest 2 – July 22-29

Quest 3 – August 5-12

Quest 4 – August 19-26

OUTREACH

(Grade 8 & 9 graduates)

Outreach is an introductory canoeing program for students graduating from grades 8 or 9. Following 6 days of training at Gould Lake (days only), participants embark on a 10-day wilderness trip in Algonquin Park. They will learn environmental ethics, canoe tripping skills, wilderness navigation, initiative games, plus much more. As a part of a team, they will be challenged both physically and mentally.

Supervisor to student ratio is 1:3.5

Cost: \$640

Credits: PAD20 (1.0 credit, PHE)

Prerequisite: Grade 8 or 9 graduate

Dates:

Outreach 1 – July 2-18

Outreach 2 – July 23-August 8

Outreach 3 – August 12-28

OUTDOOR PURSUITS

(Grade 9, 10 & 11 graduates)

The 18-day **Outdoor Pursuits** course provides students with an opportunity to develop their wilderness abilities through a variety of challenging experiences. Students will participate in a 9-day canoe trip in the Temagami wilderness and hike for 7 days in the Adirondack Mountains. Qualifying students will be certified in ORCKA Canoe Tripping 2. Supervisor to student ratio is 1:3

Cost: \$750

Credit: PAD30 (1.0 credit, PHE)

Article I. **Prerequisite:** Outreach or equivalent experience

Dates:

OP 1 – July 1-19

OP 2 – July 22-August 9

OUTDOOR SKILLS

(Grade 9, 10 & 11 graduates)

The Outdoor Skills program is an 18-day course providing a variety of wilderness experiences including sea-kayaking in Georgian Bay, canoeing in Killarney Park, and white water canoeing on the Madawaska River. Qualifying students will be certified in ORCKA Moving Water 2A, and Flatwater Kayaking certification. Supervisor to student ratio is 1:3.5.

Article II. Cost: \$750

Article III. **Credits:** PAD2OC (1.0 credits, COOP)

Prerequisite: Outreach or equivalent experience

Dates:

OS 1 – July 3-21

OS 2 – July 23-August 10

OS 3 – August 13-31

WILDERNESS INSTRUCTOR COURSE – WIC

(Grade 10, 11 & 12 graduates)

This course consists of 14 days of white water river canoeing on the historic Missinaibi River to James Bay, as well as ORCKA certification in both Canadian Style Paddling Level 2 and Canoe Tripping Level 3. The cooperative education component, (as a leader in training) will be either one 16-day placement on an Outreach trip, or 2 Quest trips of 8 days each. The objective of this course is to prepare the students to be potential wilderness instructors, who are well qualified to work in any outdoor camp. Supervisor to student ratio is 1:5.

Cost: \$1430

Credits: PLF4C – (1.0 credit, PHE)

PLF4CC – (1.0 credit, COOP)

Prerequisite: Outdoor Skills Course or equivalent experience

Dates: River Trip: June 30-July 16

Placement Dates: See Outreach and/or Quest dates

KAYAKING INSTRUCTORS COURSE – KIC

(Grade 10, 11 & 12 graduates)

Sea kayaking for 20 or more days off the coast of Anticosti Island in the mouth of the St. Lawrence River. Students take the Nordik ferry from Rimouski to Port Menier to begin their sea-kayak expedition along the rugged coastline of the island. In addition to the incredible paddling, the wildlife, fossils, vast expanse of beaches, caves and shipwrecks, this trip makes for a natural history adventure. The objective of this course is to prepare the students to be potential wilderness instructors, who will be well qualified to work in any outdoor camp. Qualifying students will receive ORCKA Coastal Kayaking Level 1 and Kayak Tripping Level 1 certifications. Supervisor to student ratio is 1:4.

Cost: \$1975

Credits: PAD4O – (1.0 credit, PHE)

PAD4OC – (1.0 credit, COOP)

Prerequisites: Outdoor Skills or equivalent experience.

Dates:

KIC 1 – July 1 – August 3

KIC 2 – July 29 – August 31

(dates subject to change due to ferry schedule)

Note for Senior Level Courses: Due to the skill level required and the remote destinations on the OS, OP, WIC and KIC courses, proven skill acquisition, experience and past behaviour will be determining factors for acceptance into courses.

Summer School

Summer school applications and course offerings will be available through Student Services in early June. For more detailed information please contact your School's Guidance Counsellor.

Prior Learning Assessment & Recognition (PLAR)

Prior learning includes the knowledge and skills that students have acquired in both formal and informal ways, outside secondary school. This formal evaluation and accreditation process is known as Prior Learning Assessment and Recognition (PLAR). The PLAR process involves two components: challenge and equivalency. Please see your Guidance Counsellor for more information.

Mature Student Assessment

A mature student is a student who is at least 18 years of age on or before December 31 of the school year in which he or she returns to school, who was not enrolled in a day school program for a period of at least one year, and who is enrolled in a secondary school program for the purpose of obtaining an OSSD.

There are two possible ways in which mature students can obtain credits for diploma purposes. Mature PLAR and Mature Student Assessment. *Please see your Guidance Counsellor for more detailed information.*

Royal Conservatory Music Credits

A student who has successfully completed the requirements of one of the following may count a maximum of one non-Grade 12 university/college preparation credit towards the OSSD in addition to any other non-Grade 12 university/college preparation music credit earned in school:

- Grade V111 Practical and Grade 11 Rudiments of the Royal Conservatory of Music, Toronto.
- Grade V111 Practical and Grade 1V Theory of Conservatory Canada, London
- Collegial 1 Practical and Collegial 1 Theory of any conservatory of the province of Quebec.
- Grade V11 Practical and Grade V Theory of the Trinity College of Music, London, England.
- Grade V11 Practical and Grade V1 Theory of the Royal Schools of Music, London, England

A student who has successfully completed the requirements of one of the following may count a maximum of one Grade 12 university/college preparation credit towards the OSSD in addition to any other Grade 12 university/college preparation music credit earned in school:

- Grade 1X Practical and Grade 111 Harmony of the Royal Conservatory of Music, Toronto.
- Grade 1X Practical and Grade V Theory of Conservatory Canada, London
- Collegial 11 Practical and Collegial 11 Theory of any conservatory of the province of Quebec.
- Grade V111 Practical and Grade V1 Theory of the Trinity College of Music, London, England.
- Grade V111 Practical and Grade V111 Theory of the Royal Schools of Music, London, England

Teacher Assisted Self Study (TASS)

Teacher Assisted Self Study (TASS) allows students to earn Ontario Secondary School credit using Independent Learning Resource materials. TASS programs are offered at Limestone Education Centre in Kingston and Gateway in Napanee. For more information on how to qualify for TASS, please contact Student Services. Students must have the approval of their Guidance Counsellor and Principal prior to registration.

Alternative Learning Centres

The Alternative Learning Centres offer a variety of non-traditional settings providing both innovative teaching and flexible learning methods for students who require an alternate means of achieving secondary credits. The Alternative Learning Centres also serve mature students who need to re-engage in their secondary education on route to the workplace or post secondary destination.