

## A. Student Services - “Learn That You May Live”

The Guidance Program provides students with the opportunities to develop the knowledge, skills, and attitudes needed to make the transition from elementary to secondary school. Senior students will be assisted in making appropriate post-secondary decisions that will best enable them to succeed in university or community college.

Guidance counsellors are prepared to help each student meet her individual needs. Counsellors are available to all students to help plan ahead by providing a variety of services:

- Individual counselling about careers, courses, personal matters
- Registration for next year, college or university
- Tutoring provided by students
- Group sessions on post-secondary planning, job search techniques
- Scholarship and Financial Aid Information
- Providing records of courses taken and total credits towards graduation
- Providing computer information and printed information about universities, colleges, jobs and scholarships
- Inviting speakers on careers and educational institutions

## B. Your Guide To The Ontario Secondary School Diploma (OSSD)

### Diploma Requirements and Related Procedures

In order to earn an Ontario Secondary School Diploma (OSSD), a student must earn a minimum of 30 credits, including 18 compulsory credits and 12 optional credits.

#### Compulsory Credits (total of 18)

- 4 credits in English (1 credit per grade)
- 1 credit in French as a second language
- 3 credits in mathematics (at least 1 credit in Grade 11 or 12)
- 2 credits in science
- 1 credit in Canadian history
- 1 credit in Canadian geography
- 1 credit in the arts (music, art, drama, or dance)
- 1 credit in health and physical education
- ½ credit in civics and ½ credit in career studies

#### Plus:

- 1 additional credit in English, or French as a 2<sup>nd</sup> language, or a Native language, or a classical or international language, or a social science, or Canadian and world studies or guidance-career education or cooperative education
- 1 additional credit in health and physical education, or business studies, or the arts (music, art, drama, or dance) or French as a 2<sup>nd</sup> language, cooperative education
- 1 additional credit in science (Grade 11 or 12) or technological education (any grade level) or computer studies, or French as a 2<sup>nd</sup> language, or cooperative education

**Total:** 18 credits

## Optional Credits (Total of 12)

In addition to the 18 compulsory credits, students have to earn 12 optional credits in courses of their choice, selected from the full list of courses available in the school. Optional credits allow students to build an educational program that suits their individual interests and meets university, college, apprenticeship, or work requirements.

## Ontario Secondary School Literacy Test (OSSLT)

Students will take the Ontario Secondary School Literacy Test in Grade 10. Students must pass the test in order to graduate, and their result is recorded on their student transcript. Students who do not complete the test successfully will receive remedial help to prepare them for re-testing. The literacy test requirement is in addition to the 30 credits needed for a high school diploma. The literacy test evaluates student reading and writing skills based on curriculum expectations in language and communications up to and including Grade 9.

## Community Involvement Activities

All students must complete a minimum of 40 hours of unpaid community involvement activities before graduating from high school. This requirement is additional to the 30 credits needed for a high school diploma. Students will be able to choose their own community involvement activities, within guidelines that will be provided by the school. Students will be responsible for fulfilling this requirement on their own time (i.e. not during school hours), and for keeping a record of their activities on a form supplied by the school.

## C. Pathways

Because Marymount Academy prepares young women for studies in higher learning, only courses that lead to the university/college route are offered. Therefore, it is important that students be able to achieve at a Level 3 of the Provincial Standard.

Students wishing to enter **University** after completion of secondary school must have a minimum of Grade 12 University level English and 5 other grade 12 University or University/College level courses. However, many university programs have further requirements. It is important for students to consult the Admissions section of post-secondary institution calendars when selecting courses for study in grades 11 and 12.

Students wishing to enter **College** after completion of secondary school must have a minimum of Grade 12 English and an Ontario Secondary School Diploma. However, many college programs have further requirements. It is important for students to consult the Admissions section of post-secondary institution calendars when selecting courses for study in grades 11 and 12.

## D. Selecting a Program

Each spring, students have access to the Career Cruising website ([www.careercruising.com](http://www.careercruising.com)) in

order to explore programs and select courses. Sufficient time is provided before course selection sign off sheets must be returned, to allow students to discuss choices with parents and school staff. All option sheets must be signed by parents to indicate their approval. These choices are intended to be final because the subjects offered and staffing arrangements are decided on the basis of these numbers. Every effort is made to give student admission requirements. General guidelines are provided in the next section. Students should meet with counsellors for specific details. The importance of being aware of requirements cannot be overemphasized, for it is the responsibility of every student to enhance career opportunities on the basis of these choices.

As a final check, ask yourself the following questions:

- Have I included all the courses that are compulsory at my grade level?
- Do I have the prerequisite for the courses that I'm choosing?
- Are my choices realistic? Do they reflect my level of achievement? My potential?
- Have I considered my future plans?
- Are my goals in line with my AEP? (Annual Education Plan)
- Have I consulted my parents? My teachers? My counsellors?

## **E. Levels of Study**

### **Grade 9 and 10**

**Academic Course:** Students learn the essential concepts of a subject and explore related material as well. Although their knowledge and skills in the subject will be developed through both theory and practical applications, the emphasis will be on theory and abstract thinking as a basis for future learning and problem solving. Academic courses prepare students for the university route.

### **Grades 11 and 12**

#### **University Preparation Courses:**

These 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:**

These 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.

## **F. Prior Learning Assessment and Recognition (PLAR)**

Students may receive a credit without a course if they can demonstrate that they have the skills and knowledge from prior learning to meet the expectations for the course set out in the provincial curriculum. To receive a credit through the PLAR process, students are assessed

through a formal test, along with other methods of evaluation appropriate to the subject. Students may obtain a maximum of four credits through the PLAR process, but no more than two in one subject area. The PLAR process applies only to courses in Grades 10 - 12.

## **G. SPECIAL PROGRAMS:**

### **COOPERATIVE EDUCATION**

Cooperative Education is an experiential mode of learning. It is a partnership among education, business, industry and labour that usually involves students, teachers, parents, employers, and employee supervisors. A Cooperative Education course consists of an in-school and out-of-school component so that learning and experience are combined in an educationally beneficial way.

The program links the school with the community by means of placing students at various workplaces through the area. Students interested in a particular field of study may have the opportunity to work with an associate in that capacity. The relationship between the student and the supervisor will allow exploration and a relevant learning experience that cannot happen in the in-school setting. By spending time out of the classroom, participants will be allowed an opportunity to realize their own potential and prepare themselves for the transition from the school environment to the world of work. Students are selected through a counselling and interviewing process conducted by cooperative education teachers, guidance counsellors and administrators. Prior to their placement in the workplace, students attend structured orientation and placement sessions and are provided with individualized training plans.

A cooperative education course must be based on a related academic course in which the student is currently enrolled or which she has successfully completed. The coop course and the related course constitute a student's coop program.

#### **HOW IT WORKS:**

Students will be offered coop placements in all disciplines. This will give students an opportunity to identify whether or not the career they envision is suitable.

**Grade 11 or 12:** 2 credits regular coop  
Half-day - 1 semester, mornings or afternoons

### **DUAL CREDIT PROGRAM:**

The dual credit program allows students to participate in apprenticeship training and take college courses, earning credits that count towards both their high school diploma and their post-secondary diploma or apprenticeship certification. The program provides new learning opportunities in real world applications, helps students make career choices, exposes them to an adult learning environment and gives them skills that can be used everyday.

#### **HOW IT WORKS:**

Much like the coop program, students normally attend classes at school in the morning and then

go to Cambrian College in the afternoons. Depending on the program, these classes may be for one to four days per week. Students will also have the opportunity to combine this program with a coop placement.

### **E-LEARNING:**

E-learning courses are delivered through an on-line medium. Students will have access to curriculum from across the province. This format allows for flexibility in students' timetables and may give them access to courses that are not taught in our school.

### **HOW IT WORKS:**

Students will register for courses and participate in on-line discussions. They will submit their assignments via the computer to a teacher from anywhere within the province. Students may do their work in an assigned period during the day or at any time during the evening or on weekends.

### **ADVANCED PLACEMENT (AP®) PROGRAM:**

The AP® program is an international program that has been in existence in the United States for over 50 years. It allows our highest achieving students to earn university level credits while completing their grade 12 courses and attain advanced academic standing at university. It is a rigorous academic program that will challenge these students and enrich their learning experience. AP credits are recognized by 90% of Canadian and American universities.

### **HOW IT WORKS:**

Students will be provided with an enriched curriculum in grades 9 and 10. They will then take AP classes in grades 11 and 12. In May of their AP® year, students will write standardized exams. If they attain a sufficient grade, they may take their report card to the university and receive credits.

## **H. Ontario Student Transcript**

The Ontario Student Transcript (OST) provides a comprehensive record of a student's overall achievement in high school.

The credits that a secondary school student has earned towards fulfilment of the requirements for the graduation diploma will be recorded on the OST. This record will include correspondence courses offered by the Independent Learning Centre; independent study; private study; continuing education (including summer school), and private school.

Withdrawal after a specified time from any Grade 11 or 12 course will be recorded on the OST. This includes dual credit and e-learning courses.

Courses shall be entered on the student's transcript utilizing the common course code designation issued by the Ministry of Education. A credit is granted in recognition of the successful completion of a course that has been scheduled for a minimum of 110 hours. Credits are granted by a principal on behalf of the Minister of Education and Training for courses that

have been developed or approved by the Ministry.

## I. Course Codes

Each course has a five character identification code in which the first three characters refer to the subject, the fourth character refers to the grade or level, and the fifth character refers to the type of course. (Some schools may add a sixth character). Course codes will be given in the school course calendar for all courses offered by the school.

Example: **MPM1D**

- MPM refers to Mathematics
- 1 refers to Grade 9
- D refers to Academic level

**ENG3U**

- ENG refers to English
- 3 refers to grade 11
- U refers to university level

**O** refers to open level courses and **M** refers to university/college level courses. **P** refers to applied level courses (available in Gr.9 and 10 mathematics only)

Some courses require a prerequisite: i.e. a course which must have been taken previously and completed satisfactorily. The catalogue of courses outlined in this booklet indicates the suggested prerequisite where one is deemed necessary.

## J. Definition of a Credit

A credit is granted in recognition of the successful completion of a course that has been scheduled for a minimum of 110 hours. The credit is granted by the principal of a school offering secondary school programs on behalf of the Minister of Education.

## K. Subject Promotion

A student will be promoted in each subject in which she has been successful, and will be granted a credit for it.

## L. Assessment, Evaluation and Reporting

Each student must complete a culminating activity in each course, which may include a final examination. There will be one set of examinations each semester.

- Semester One → Compulsory finals in January
- Semester Two → Compulsory finals in June

The passing mark for a course is set at 50%. The weight of the examination to term work in each subject varies with the specific subject. Students will be informed at the beginning of each course how they will be evaluated in the course.

- The information will include:
- the types of evaluation that will be used
  - the mark value of each type of evaluation

## **M. The Ontario Provincial Report Card**

The report card includes:

- Percentage grades which indicate achievement of curriculum expectations based on 4 achievement levels
- Report on attendance and learning skills
- Comments related to strengths, weaknesses, next steps
- Indication of the support provided for students (e.g Individual Education Plan)
- Response Form for student self-assessment and parent(s)/guardian(s) comments
- Record of credit(s) received for each course completed
- Summary of credits earned to date

## **N. Ontario Student Record (OSR)**

Every Ontario school keeps an official record for each student. The OSR contains achievement results, credits earned and diploma requirements completed, as well as other information important to the education of the student. Students and their parents (if the student is not an adult) may examine the contents of the OSR. These records are protected by the Education Act and the Municipal Freedom of Information and Protection of Privacy Act.

## COURSE DESCRIPTIONS - GRADES 9 - 12

**NOTE: All elective courses are available subject to student enrollment, with the exception of those that may be required courses for entrance into university programs.**

### THE ARTS

#### **MUSIC**

##### **AMS10 - Grade 9, Music-Strings**

**1.0 credit**

This course emphasizes the performance of music using stringed instruments at a level that strikes a balance between challenge 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.

##### **AMU10 - Grade 9, Music-Instrumental Music**

**1.0 credit**

This course emphasizes the performance of music at a level that strikes a balance between challenge 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.

##### **AMV10 - Grade 9, Music - Vocals**

**1.0 credit**

This grade nine credit course focuses on the fundamentals of proper singing technique, music theory and its application to singing, ear training, and performance repertoire. Students access curriculum standards through performance techniques and all theory, history and technique taught is derived from the music literature studied. Students from this class form the Secondary Vocal Ensemble and perform at Mass and various other school events.

Note: This course will be offered every second year.

##### **AMG20 - Grade 10, Music - Guitar**

**1.0**

**credit**

This course is intended to introduce students to rudimentary guitar techniques. It also provides an understanding and appreciation of music through practical skills and creative work. Through this program, they will not only find a source of enjoyment and personal satisfaction, but also gain creative problem solving skills, individual and cooperative work habits.

##### **AMS20 - Grade 10, Music - Strings**

**1.0 credit**

This course emphasizes performance of music using stringed instruments 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.

**Prerequisite: Grade 9 Strings**

**AMU20 - Grade 10, Instrumental Music****1.0 credit**

This course emphasizes performance of instrumental music 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.

**AMU3M - Grade 11, Instrumental Music****1.0 credit**

This course emphasizes the appreciation, analysis, and performance of various kinds of music, including baroque and classical music, popular music, and Canadian and non Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyze and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities.

**Prerequisite:** Grade 9 or 10 Music

**AMS4M - Grade 12, Music - Strings****1.0 credit**

This course continues to emphasize performance of music using stringed instruments 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

**Prerequisite:** Grade 11 Strings

**AMU4M - Grade 12, Instrumental Music****1.0 credit**

This course emphasizes the appreciation analysis, and performance of music from the romantic period and the twentieth century, including art music, jazz, popular 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.

**Prerequisite:** Grade 11 Music

***VISUAL ARTS*****AVI10 -Grade 9, Visual Arts****1.0 credit**

This course offers 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 through working with a range of materials, processes, techniques and styles. They will learn and use methods of analysis and criticism and will study the characteristics of particular historical art periods and a selection of Canadian art.

**AVI20 - Grade 10, Visual Arts****1.0 credit**

This course emphasizes learning through practice, building on what students know, and introducing them to new ideas, materials, and processes for artistic thinking and experimentation. Student learning will include the refined application of the elements and principles of design, incorporating the creative and design processes, and the relationship between form and content. Students will also learn about the connections between works of art and their historical contexts. Course objectives may be achieved either through a comprehensive program or through a program focused on a particular art form (e.g., drawing, painting).

**AV13M -Grade 11, Visual Arts****1.0 credit**

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 investigate art works and study aspects of Western art history, as well as art forms from Canada and other parts of the world.

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

**AVI4M - Grade 12, Visual Arts**

**1.0 credit**

This course focuses on the refinement of students' skills and knowledge in visual arts. Students will analyze art forms; use theories of art in analyzing and producing art; and increase their understanding of stylistic changes in modern and contemporary 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.

**Prerequisite:** Visual Arts, Grade 11, University/college Preparation or Open

**DRAMA**

**ADA20 - Dramatic Arts, Grade 10**

**1.0 credit**

This course requires students to actively explore dramatic forms and techniques, using their own ideas and concerns as well as sources selected from a wide range of authors, genres, and cultures. Student learning will include identifying and using the principles of space, time, voice, and movement in creating, sustaining, and communicating authentic roles within a drama. Students will assume responsibility for decisions made in the creation and presentation of the drama, and will analyze and reflect on the experience.

**BUSINESS STUDIES**

**BTT10 - Information and Communication Technology in Business**

**1.0 credit**

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.

**BBI20 - Introduction to Business**

**1.0 credit**

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

**BAF3M - Grade 11, Financial Accounting Fundamentals**

**1.0 credit**

This course introduces students to the fundamental principles and procedures of accounting, with emphasis on accounting procedures used in service and merchandising businesses. Students will develop an understanding of the connections between financial analysis, control, and decision making in the management of a business, as well as the effects of technology and globalization on accounting procedures and the role of the accountant.

**BTA30 - Information and Communication Technology: The Digital Environment 1.0 credit**

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 will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or post-secondary studies.

**BAT4M - Financial Accounting Principles, Grade 12**

**1.0 credit**

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

**Prerequisite: Financial Accounting Fundamentals, Grade 11**

**BBB4M - Grade 12, Introduction to International Business**

**1.0 credit**

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.

**Prerequisite: None**

\*NOTE: This course is offered through e-learning

**CANADIAN AND WORLD STUDIES**

**CIVICS**

**CHV20 - Grade 10, Civics**

**0.5 credit**

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy and the meaning of democratic citizenship in local, national, and global contexts. In addition, students will learn about social change, examine decision making processes in Canada, explore their own and others' beliefs and perspectives on civics questions, and learn how to think and act critically and creatively about public issues.

**ECONOMICS**

**CIA4U - Analysing Current Economic Issues, Grade 12  
University/College Preparation**

**1.0 credit**

This course explores the choices that individuals and societies make about the use of resources in a competitive global economy. Students will use economic concepts and models, as well as methods of economic inquiry, to analyse current economic issues and make informed economic choices based on their analysis.

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

**GEOGRAPHY**

**CGC1D - Grade 9, Geography of Canada****1.0 credit**

This course uses a variety of frameworks, including ecozones and principles of physical, human, and economic geography, to explore the distinct and evolving character of Canada's geography. Students will investigate the interconnections between the environment and human activities in Canadian ecozones in order to understand Canada's diversity and role in the world.

**CGF3M - Grade 11, Physical Geography: Patterns, Processes and Interactions, University/College Preparation****1.0 credit**

This course examines the main elements of the physical environment (climate, soils, land forms, oceans, vegetation), the processes that shape them, and the relationship between the environment and human beings. Students will apply a wide range of geographic tools and methods to explore the distribution and ongoing evolution of the elements of the physical environment on a variety of scales, from local to global.

**Prerequisite:** Geography of Canada, Grade 9, Academic

**CGW4U - Grade 12, Canadian and World Issues: A Geographic Analysis****1.0 credit**

This course draws on geographic concepts, skills, methods, and technologies to analyze significant issues facing Canadians as citizens of an interdependent world. Students will examine the challenges of creating a sustainable and equitable future through the study of a range of topics, including economic interdependence, geopolitical conflict, regional disparities in the ability to meet basic human needs, and protection of the planet's life-support systems.

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

**HISTORY****CHC2D - Grade 10, History - Canadian History in the Twentieth Century****1.0 credit**

This course explores Canadian participation in global events and traces our development as a country through changes in population, economy, and technology. Students will analyze the elements that constitute Canadian identity, learn the stories of both individuals and communities, and study the evolution of political and social structures. Students will learn about differing interpretations of the past, and will come to understand the importance in historical studies of chronology and cause and effect relationships. They will also learn to develop and support a thesis, conduct research and effectively communicate the results of their inquiries.

**The following two courses will alternate. CHY4U will be offered in 2014/2015 and CHA3U will be offered in 2015/2016**

**CHA3U - Grade 11, American History (2015/2016)****1.0 credit**

This course examines the development of American social, political, and economic structures from colonial times to the present. Students will analyze the chronology of events and evaluate the roles played by specific individuals and groups throughout American history. Students will conduct research and analysis, and communicate, in a variety of ways, their knowledge and understanding of the country that is Canada's closest neighbour and most important cultural influence and economic partner.

**Prerequisite:** Canadian History in the Twentieth Century, Grade 10

**CHY4U - Grade 12, The West and the World (2014/2015)****1.0 credit**

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. The skills and knowledge developed in this course will enable students to understand and appreciate both the character of historical change and the historical roots of contemporary issues.

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

## LAW

### **CLN4U- Grade 12, Canadian and International Law**

**1.0 credit**

This course explores elements of Canadian Law and the role of law in social, political, and global contexts. Students will learn about the connections between the historical and philosophical sources of law and issues in contemporary society. They will also learn to analyze legal issues, conduct independent research, and communicate the results of their inquiries in a variety of ways.

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

## CLASSICAL STUDIES AND INTERNATIONAL LANGUAGES

The following course will alternate with HZT4U - Philosophy (see Social Sciences). LVV4U will be offered in 2014/2015 and HZT4U will be offered in 2015/2016

**1.0 credit**

This course provides students with opportunities to continue their exploration of the achievements of the classical world, which have shaped Western thought and civilization. Students will investigate such aspects of classical culture as its mythology, art, literature, and philosophy, as well as elements of ancient Greek and Latin, through a variety of activities such as dramatizations, audio-visual presentations, and discussions. By reading classical authors in English and examining archaeological evidence, students will enhance both their communication skills and their ability to think critically and creatively.

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

### **LWSAD - Spanish, Level 1**

**1.0 credit**

This course is designed to enable students to begin to communicate with native speakers of Spanish. Students will use simple language and read age- and language- appropriate passages for various purposes. They will explore aspects of the culture of countries where Spanish is spoken, including social customs and the arts, by participating in cultural events and activities involving both print and technological resources.

## ENGLISH

**ENG1D - Grade 9, English****1.0 credit**

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

**ENG2D - Grade 10, English****1.0 credit**

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

**Prerequisite:** Grade 9 English, Academic

**ENG3U - Grade 11, English****1.0 credit**

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will analyze challenging texts from various periods; conduct research and analyze the information gathered; write persuasive and literary essays; analyze the relationship among media forms, audiences, and media industry practices. An important focus will be on understanding the development of the English language.

**Prerequisite:** Grade 10 English, Academic

**ENG4U - Grade 12, University Preparation****1.0 credit**

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

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

**ETS4U - Grade 12, Studies in Literature - University Preparation****1.0 credit**

This course is for students with a special interest in literature and literary criticism. The course may focus on themes, genres, time periods, or countries. Studies will analyze a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project. \*\*\*This course is **strongly recommended** for students who wish to write the AP English exam.

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

**EWC4U - Grade 12, The Writer's Craft - University Preparation****1.0 credit**

This course emphasizes knowledge and skills related to the craft of writing. Students will

analyze 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 writing careers. This course is ONLY available through e-learning.

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

## FRENCH AS A SECOND LANGUAGE

### **FIF1D - Grade 9, Immersion French**

**1.0 credit**

This course emphasizes the expansion of the students' oral, reading and writing communication skills. Students will continue to develop their language proficiency through dramatizations, creative writing, oral presentation, and debates. They will also enhance their reading and writing skills while exploring a variety of genres and themes that reflect their interests.

### **FSF1D - Grade 9, Core French**

**1.0 credit**

This course emphasizes the expansion of the students' oral, reading and writing communication skills. Students will continue to develop their language proficiency through dramatizations, creative writing, oral presentation, and debates. They will also enhance their reading and writing skills while exploring a variety of themes that reflect their interests.

### **FIF2D - Grade 10, Immersion French**

**1.0 credit**

This course enables students to increase their knowledge of the French language and to further develop their language skills through the study of twentieth-century European francophone literature and culture. Students will participate in oral communication, reading, and writing activities based on a variety of French literary and media works. They will study at least one novel and a selection of poems, short stories, films, plays and newspaper and magazine articles.

**Prerequisite: Grade 9, Immersion French**

### **FSF2D - Grade 10, Core French**

**1.0 credit**

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.

**Prerequisite: Grade 9 Core French**

### **FIF3U - Grade 11, Immersion French**

**1.0 credit**

This course develops knowledge and language skills through the study of francophone literature and culture from around the world. Students will study novels, plays, poems, short stories, films, and non-fiction works and produce written assignments in a variety of forms, including critiques and précis. They will also write a formal research essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

**Prerequisite: Grade 10, Immersion French**

### **FSF3U - Grade 11, Core French**

**1.0 credit**

This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communications skills. Students will gain a greater understanding of French speaking cultures in Canada and around the world through the world

through their reading of a variety of materials, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will emphasize throughout the course.

**Prerequisite: Grade 10 Core French**

**FIF4U - Grade 12, Immersion French**

**1.0 credit**

This course provides for extensive study of French literature and culture from the Middle Ages to the present. Students will study novels, plays, poems, films, and non-fiction works produced in various historical periods, and will write a formal research paper. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

**Prerequisite: Grade 11, Immersion French**

**FSF4U - Grade 12, Core French**

**1.0 credit**

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

**Prerequisite: Grade 11, Core French**

## **GUIDANCE AND CAREER EDUCATION**

**GLC20 - Grade 10, Career Studies**

**0.5 credit**

This course teaches students how to develop and achieve personal goals in education and work and contribute to their communities. Student learning will include assessing their own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores post-secondary learning options, prepares students for community-based learning, and helps them build the capabilities needed for managing work and life transitions. Students will design action plans for pursuing their goals.

**GWL30 - Grade 11, Designing Your Future**

**1.0 credit**

This course prepares students to make successful transitions to post-secondary destinations as they investigate specific post-secondary options based on their skills, interests, and personal characteristics. Students will explore the realities and opportunities of the workplace and examine factors that affect success, while refining their job-search and employability skills. Students will develop their portfolios with a focus on their targeted destination and develop an action plan for future success.

\*NOTE: This course is offered through e-learning.

## **HEALTH AND PHYSICAL EDUCATION**

**PPL10 - Grade 9, Healthy Active Living Education**

**1.0 credit**

This course emphasizes students' daily participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement techniques and

principles, ways to improve personal fitness and physical competence, and safety/injury-prevention strategies. 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.

### **PPL20 - Grade 10, Healthy Active Living Education**

**1.0 credit**

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; 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.

### **PPL30 - Grade 11, Healthy Active Living Education**

**1.0 credit**

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

### **PPZ30 - Grade 11, Health for Life**

**1.0 credit**

This course helps students develop a personalized approach to healthy living. Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the components of the *Vitality* approach to healthy living - an initiative that promotes healthy eating, an active lifestyle, and a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives.

\*NOTE: This course is offered through e-learning

### **PAF30 - Grade 11, Personal and Fitness Activities**

This course emphasizes regular participation in a variety of physical activities designed to increase personal fitness levels. Activities will focus on cardiovascular fitness, muscular strength and endurance, as well as flexibility and body composition. Daily workout routines in the fitness area are incorporated into the course plan. Also, activities such as aerobics, yoga, biking and resistance training will challenge students to improve fitness levels and promote lifelong healthy active living. Students will also study healthy relationships, mental illness, ways to increase your mental health, and personal safety throughout a multi-week health unit.

### **PAF40 - Grade 12, Personal and Fitness Activities**

This course continues to emphasize regular participation in a variety of physical activities designed to increase personal fitness levels. Activities will focus on cardiovascular fitness, muscular strength and endurance, as well as flexibility and body composition. Daily workout routines in the fitness area are incorporated into the course plan. Also, activities such as aerobics, yoga, biking and resistance training will challenge students to improve fitness levels and promote lifelong healthy active living. Students will continue to study healthy relationships, mental illness, ways to increase your mental health, and personal safety throughout a multi-week health unit.

### **PAD40 - Grade 12, Outdoor Education**

**1.0 credit**

This course is a unique opportunity to combine in-class activities with enjoyable and physically demanding outdoor experiences. This course focuses on using a variety of challenging outdoor activities to help promote a healthy active lifestyle. There will also be a strong fitness component

with an emphasis on weight training, cross training and cardiorespiratory training. Students will be provided with opportunities to further enhance their skills related to environmental awareness, canoeing, navigation (map, compass, and GPS), winter survival, first aid, and risk management. These activities and exercises will be used to provide students with hands-on, experiential learning and opportunities to refine their goal-setting, decision-making, conflict-resolution and interpersonal skills.

\*NOTE - There is a fee of \$150.00 to cover program costs. Class size is capped at 20 students for safety and equipment limitations. Students will miss 4 - 6 school days throughout the semester.

### **PSE4U - Grade 12, Exercise Science**

**1.0 credit**

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

**Prerequisite:** Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 open course in health and physical education.

## **MATHEMATICS**

### **MPM1D - Grade 9, Principles of Mathematics**

**1.0 credit**

This course enables students to develop generalizations of mathematical ideas through exploration of applications, the effective use of technology, and abstract reasoning. Students will investigate relationships to develop equations of straight lines in analytic geometry, explore relationships between volume and surface area of objects in measurement, and apply extended algebraic skills in problem solving. Students will engage in abstract extensions of core learning that will deepen their mathematical knowledge and enrich their understanding.

### **MFM1P - Grade 9, Foundations of Mathematics**

**1.0 credit**

This course enables students to develop an 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 relations, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

### **MPM2D - Grade 10, Principles of Mathematics**

**1.0 credit**

This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.

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

**MFM2P - Grade 10, Foundations of Mathematics****1.0 credit**

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

**Prerequisite: Foundations of Mathematics, Grade 9, Applied**

**MCF3M - Grade 11, Functions, University/College Preparation****1.0 credit**

This course introduces some financial applications of mathematics and extends students' experiences with functions. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions, and exponential expressions; develop and understanding of inverses and transformations of functions; and develop facility in using function notation and in communicating mathematical reasoning.

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

**MCR3U - Grade 11, Functions****1.0 credit**

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

**Prerequisite: Principles of Mathematics, Grade 10, Academic**

**MCV4U- Grade 12, Calculus and Vectors, University Preparation****1.0 credit**

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 representation 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 modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.

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

**Note: The new Advanced Functions can be taken concurrently with or can precede Calculus and Vectors.**

**MHF4U - Grade 12, Advanced Functions, University Preparation****1.0 credit**

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

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

**MDM4U - Grade 12, Mathematics of Data Management**

**1.0 credit**

This course broadens students' understanding of mathematics as it relates to managing information. Students will apply methods for organizing large amounts of information; apply counting techniques, probability, and statistics in modeling and solving problems; and carry out a culminating project that integrates the expectations of the course and encourages perseverance and independence. Students planning to pursue university programs in business, the social sciences, or the humanities will find this course of particular interest.

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

**RELIGIOUS STUDIES**

**HRE10 - Grade 9, Religious Education**

**1.0 credit**

This program will encourage students to deepen their relationships with others in the community by using the Beatitudes as a central focus. They will also participate in activities designed to develop goal-setting, communication and social skills within the context of a spirit filled community.

**NOTE:** Half of this credit is taught in class and the other half is fulfilled by completing community involvement activities through the year. Students will attend Mass and retreats, and do service work to gain these hours.

**HRE20 - Grade 10, Religious Studies**

**1.0 credit**

The Church as Community is studied in its beliefs, morality, call to service, structure, ministries and worship.

**NOTE:** Half of this credit is taught in class and the other half is fulfilled by completing community involvement activities through the year. Students will attend Mass and retreats and do service work to gain these hours.

**HRT3M - Grade 11, Religious Studies**

**1.0 credit**

The world religion courses introduce students to an exploration of religions around the world, and provide them with an awareness of the nature, place, and function of religion in diverse societies. The courses examine the critical issues facing world religions and their followers today.

**HRE4M - Grade 12, Church and Culture**

**1.0 credit**

This course is directed toward the clear identification of Catholic moral principles and the concrete application of these principles in the lives of students. The course proceeds from foundational beliefs rooted in Sacred Scripture concerning justice and peace to an exploration of the principles that shape Christian life. In the Family Life Education strand, students explore a variety of topics related to the themes of personhood, interpersonal relationships, and sexuality.

**SCIENCE**

**SNC1D - Grade 9, Science**

**1.0 credit**

This course enable students to understand essential concepts in biology, chemistry, earth and

space science, and physics: to develop skills in the processes of scientific inquiry; and to relate science knowledge to technological, social, and environmental knowledge. Students will learn about scientific theories and pursue inquiries related to cell division and reproduction, atomic and molecular structures, properties of elements and compounds, the universe and space exploration, and the principles of static and current electricity.

**SNC2D - Grade 10, Science**

**1.0 credit**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationships among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to acid-base reactions; factors that influence weather systems; and motion.

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

**SBI3U - Grade 11, Biology**

**1.0 credit**

This course furthers students' understanding of the process involved in biological systems. Students will study cellular functions, genetic continuity, internal systems and regulation, the diversity of living things, and the anatomy, growth, and functions of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.

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

**SCH3U - Grade 11, Chemistry**

**1.0 credit**

This course focuses on the concepts and theories that form the basic modern chemistry. Students will study the behaviours of solids, liquids, gases, and solutions; investigate changes and relationships in chemical systems; and explore how chemistry is used in developing new products and processes that affect our lives and our environment. Emphasis will also be placed on the importance of chemistry in other branches of science.

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

**SPH3U - Grade 11, Physics**

**1.0 credit**

This course develops students' understanding of the basic concepts of physics. Students will study the laws of dynamics and explore different kinds of forces, the qualification and forms of energy (mechanical, sound, light, thermal, and electrical), and the way energy is transformed and transmitted. They will develop scientific inquiry skills as they verify accepted laws and solve both assigned problems and those emerging from their investigations. Students will also analyze the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

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

**SBI4U - Grade 12, Biology**

**1.0 credit**

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

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

**SCH4U - Grade 12, Chemistry**

**1.0 credit**

This course enables students to deepen their understanding of chemistry through the study of organic chemistry, energy changes and rates of reaction, chemical systems and equilibrium,

electrochemistry, and atomic and molecular structure. Students will further develop problem solving and laboratory skills as they investigate chemical processes, at the same time refining to communicate scientific information. Emphasis will be placed on the importance of chemistry in daily life, and on evaluating the impact of chemical technology on the environment.

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

**Recommended: Mathematics, Grade 11**

### **SNC4M - Grade 12, Science**

**1.0 credit**

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.

Note: This course is offered through e-learning only.

**Prerequisite: Science, Grade 10 Academic**

### **SPH4U - Grade 12, Physics**

**1.0 credit**

This course enable students to deepen their understanding of the concepts and theories of physics. Students will explore further the laws of dynamics and energy transformation, and will investigate electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. They will further develop inquiry skills, learning, for example, how the interpretation of experimental data can provide indirect evidence to support the development of a scientific model. Students will also consider the impact on society and the environment of technological applications of physics.

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

**Recommended: Mathematics, Grade 11, University Preparation**

## **SOCIAL SCIENCES AND HUMANITIES**

### **HSP3M - Grade 11, Introduction to Anthropology, Psychology, and Sociology**

**1.0  
credit**

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 scientist 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.

**Prerequisite: None**

**The next two courses will be offered in rotation. HHG4M will be offered in 2014/2015 and HHS4M will be offered in 2015/2016.**

### **HHG4M - Grade 12, Issues in Human Growth and Development)**

**1.0 credit**

This course offers a multi-disciplinary approach to the study of human development throughout the life cycle, with particular emphasis on enhancing growth and development. Students will examine how early brain and child development are linked to lifelong learning, health and well-

being, and will develop child-care and human-relationship skills through practical experience in a community setting. This course also refines students' skills used in researching and investigating issues related to human growth and development.

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

**HHS4M - Grade 12, Individuals and Families in a Diverse Society, 1.0 credit  
University/College Preparation**

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 earn the interpersonal skills required to contribute to the well-being of families, and the investigative skills required to conduct and evaluate research about individuals and families.

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

**The following course alternates with LVV4U (see Classical Studies and International Languages). LVV4U will be offered in 2014/2015 and HZT4U will be offered in 2015/2016**

**HZT4U - Grade 12, Philosophy: Question and Theories 1.0 credit**

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 skills used in researching and investigating topics in philosophy.

**Prerequisite:** Any university of university/college preparation course in social science and humanities, English, or Canadian and World Studies.