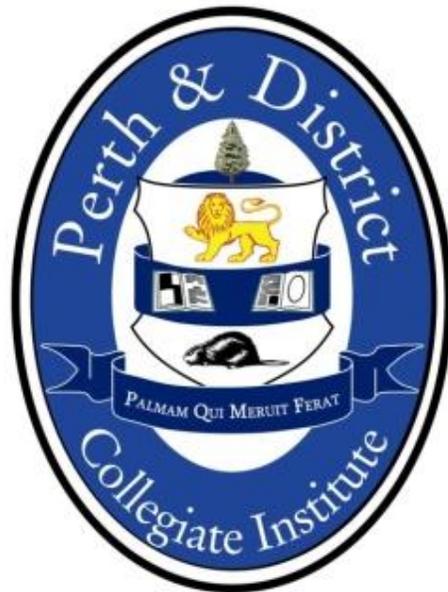


PERTH & DISTRICT COLLEGIATE INSTITUTE



PROGRAM and COURSE DESCRIPTION
CALENDAR
2011-2012

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For information regarding programs and courses contact your Guidance Counsellors at 613-267-3051:

Mr. J Bannon [x1109] → gr 11
Mrs. S Coady [x1111] sem 1 -- Mrs. S Bourque [x1111] sem 2 → gr 9
Mr. D Weckwerth [x1110] → gr 10 and 12



To all PDCI students:

It is time once again to make decisions about your high school program by choosing the courses you wish to take next year. You will find this booklet useful in selecting those courses that meet your individual pathway goals. Refer to the flowcharts in each subject area to help you plan what courses to take next. Read the course descriptions to understand what the course entails. Pay careful attention to the prerequisites that may be essential before you select a course.

Your choices may impact whether a course runs next year and may also impact the opportunities of other students getting into a course. Choosing wisely now helps ensure you graduate when you want to with the appropriate courses required for your post secondary plans.

Seek advice from your Guidance Counsellor, subject teacher(s), or administration if you have questions or need more information about selecting courses. Remember, we are here to help.

Please take the time to read the PDCI Student Pledge on the next page. We all have a responsibility to make our PDCI experience a positive one.

We look forward to a great 2011-2012 school year together. Much success!

The PDCI Staff

AS PART OF MY COMMUNITY AND MY SCHOOL, I WILL...

Pledge to be part of the solution by valuing students' differences and treating others with respect

Treat others with fairness and kindness

Encourage others to do the same

Do my part to make my community a safe place by being more sensitive to others

Set the example of a caring individual

Be alert in places around the school where there is less adult supervision such as bathrooms, hallways, and stairwells

Support students who have been or are subjected to bullying

Not let my words or actions hurt others

Report honestly and immediately all incidents of bullying to a faculty member

Be aware of the school's policies and support system with regard to bullying

Talk to teachers and parents about concerns and issues regarding bullying

Work with others to help the school deal effectively with bullying

Encourage teachers to discuss bullying issues in the classroom

Provide a good role model for younger students and support them if bullying occurs

Participate fully and contribute to assemblies/presentations dealing with bullying

...and if others won't become part of the solution, **I WILL.**



THE ONTARIO SECONDARY SCHOOL DIPLOMA (OSSD)

✓18 compulsory credits

4 credits in English	1 credit in The Arts
3 credits in Mathematics	1 credit in Health and Physical Education
2 credits in Science	1 credit in French as a Second Language
1 credit in Canadian Geography	½ credit in Career Studies
1 credit in Canadian History	½ credit in Civics

1 additional credit in English, French as a Second Language, a Native Language, a Classical or International Language, Social Sciences and the Humanities, Canadian and World Studies, Guidance and Career Education, or Cooperative Education

1 additional credit in Health and Physical Education, the Arts, Business Studies, French as a Second Language, or Cooperative Education

1 additional credit in Science (gr 11 or 12), Technological Education, French as a Second Language, Computer Studies, or Cooperative Education

✓12 optional credits

✓40 hours of community involvement activities

✓the provincial literacy requirement

COMMUNITY INVOLVEMENT ACTIVITIES

All students must complete a minimum of 40 hours of community involvement activities during their years in secondary school. This is to be completed outside the students' normal instructional hours. The Upper Canada District School Board provides students with a brochure outlining the requirements for community involvement.

PROVINCIAL LITERACY REQUIREMENT

Students must pass the Ontario Secondary School Literacy Test (OSSLT) or the Ontario Secondary School Literacy Course in order to earn a diploma. Students usually write the Literacy Test in their grade 10 year. If unsuccessful in their first attempt, students may rewrite the Literacy Test in a subsequent year, or may opt to take the Literacy Course. Further details about the OSSLT may be found on the EQAO website at www.eqao.com.

THE ONTARIO SECONDARY SCHOOL CERTIFICATE (OSSC)

✓7 compulsory credits

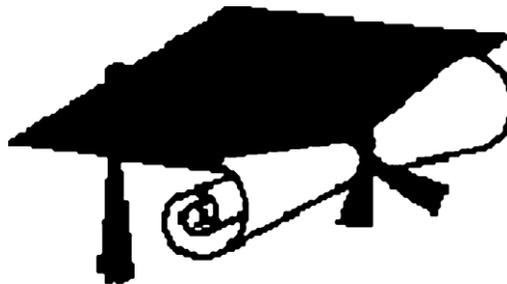
2 credits in English
1 credit in Mathematics
1 credit in Science

1 credit in Canadian Geography or Canadian History
1 credit in the Arts or Technological Education
1 credit in Health and Physical Education

✓7 optional credits

THE CERTIFICATE OF ACCOMPLISHMENT

The Certificate of Accomplishment is a way of recognizing the achievement of students who leave school before fulfilling the requirements of the OSSD or the OSSC. An Ontario Student Transcript will be attached to indicate what credits (if any) have been earned. This certificate will only be issued once.



Courses in grades 9 and 10 are offered at four levels:

- Locally Developed
- Open
- Applied
- Academic

Locally Developed (L)	•designed to prepare students for success in grade 11 workplace level courses
Open (O)	•designed to broaden students' knowledge and skills in subjects that reflect their interests and to prepare them for active and rewarding participation in society
Applied (P)	•focus on essential concepts of a subject and develop students' knowledge and skills through practical applications and concrete examples—familiar situations used to illustrate ideas—opportunities to experience hands-on applications of concepts and theories
Academic (D)	•develop students' knowledge and skills through the study of theory and abstract problems—focus on essential components of a subject and explore related concepts, incorporating practical applications as appropriate

Courses in grades 11 and 12 are offered at five levels:

- Workplace
- Open
- College
- University/College
- University

Workplace (E)	•designed to equip students with 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 admission to certain apprenticeship or other training programs
Open (O)	•designed to broaden students' knowledge and skills in subjects that reflect their interests and to prepare them for active and rewarding participation in society (not designed with specific requirements of universities, colleges, or the workplace in mind)
College (C)	•designed to equip students with the knowledge and skills they need to meet the requirements for entrance to most college programs or for admission to apprenticeship or other training programs
University/College (M)	•designed to equip students with knowledge and skills to meet entrance requirements for specific programs offered at universities and colleges
University (U)	•designed to equip students with knowledge and skills to meet entrance requirements for university programs

COOPERATIVE EDUCATION

Cooperative Education offers students the opportunity to gain high school credits and investigate possible career options through on-the-job work experience. Students apply and practice the skills and knowledge acquired in their regular high school courses in a real-world work environment. Students may earn between one and four Cooperative Education credits in a semester. Students in the Coop Program may work towards an apprenticeship, as part of the Ontario Youth Apprenticeship Program (OYAP). Cooperative Education involves partnerships with the community. Students are monitored and supported by both the Coop Teacher and the Placement Supervisor with the goal of establishing a positive and successful experience for all parties. Students may first apply to Coop in the second semester of their grade 10 year (during option sheet completion) for admission into the following year's Program. Students may enrol in the Coop Program more than once.

For more information contact Mr. Chapman.

DUAL CREDITS

The Dual Credit program is a partnership between secondary schools and certain community colleges. Grade 12 students can apply to enrol in college courses or apprenticeship training, earning dual credits that count towards their OSSD and college diploma or apprenticeship certification. The college courses are taught at the college campus and high school students learn alongside their college peers. A Dual Credit student typically travels to the college once or twice a week for his or her two to three hour course. Transportation to the course is the responsibility of the student. The dual credit program is available through St. Lawrence College (Kingston, Brockville, Cornwall) and Algonquin College (Ottawa). Students who desire learning opportunities outside of high school and who would benefit from a college or apprenticeship experience are suitable candidates.

For more information speak with a Guidance Counsellor.

E-LEARNING

The Online Learning Program enables our students to access a variety of courses that might not otherwise be available in our school. The program also provides an opportunity for students to acquire a new set of learning skills. Online courses are offered asynchronously so students and teachers are not required to be online at the same time. The courses meet curriculum requirements of the Ministry of Education, and are taught by qualified teachers. Our students also have access to online courses with member Boards in the Ontario Strategic Alliance for eLearning.

For more information refer to www.elearningstudents.ca or speak with a Guidance Counsellor.

GEO-VENTURE

The *Geo-Venture* program is an intensive three credit grade 12 package consisting of the following credits: CGR4M1 (Environment/Resource Management), PLF4C1 (Recreation/Fitness Leadership), and one Cooperative Education credit. The package of courses is delivered in one semester. Many of the learning opportunities take place in the 'outdoors classroom', and students can expect to be out of the school for approximately 20 days during the semester. GPS and GIS technologies will be linked with in-lab processing and field work in resource management. Students considering further studies in Recreation and Leadership programs for example would benefit from this program. Students apply to *Geo-Venture* during option sheet completion, which is then followed by an interview with the course teacher. Due to the nature of the course, trip fees will be collected on a per trip schedule.

For more information contact Mr. Anderson.

SPECIALIST HIGH SKILLS MAJOR

The Specialist High Skills Major is part of the Student Success Strategy initiative which focuses on expanding quality learning opportunities and supporting success for all students. The SHSM is a Ministry approved specialized program that allows students to focus their learning on a specific economic sector while meeting the requirements for the OSSD. This career focused program is also designed to help prepare students to make the transition from secondary school to apprenticeship training, college, university, or the workplace. An SHSM enables students to gain sector specific skills and knowledge in the context of engaging, career related learning environments. **PDCI will offer three Specialist High Skills Majors – Arts and Culture, Business, and Transportation Technology** (subject to Ministry approval).

Consult with your Guidance Counsellor if you are interested in our High Skills Major programs.

TRAILBLAZERS

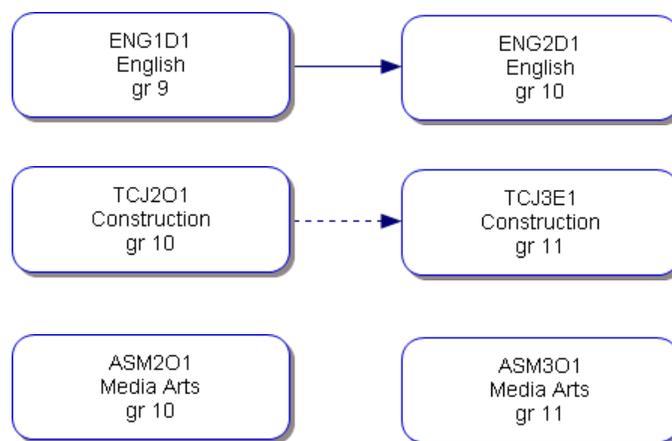
Trailblazers is an outdoor education type program for students in grades 11 or 12. Students can earn four credits—a combination of Environmental Science, Native Studies, and Cooperative Education. *Trailblazers* uses the Mill Pond Conservation Area (part of the Rideau Valley Conservation Authority) as its classroom. The majority of days are spent at the Mill Pond. Some time is scheduled at PDCI for specific instruction or work completion. Bus transportation is provided to and from the Mill Pond site. A major component of the Trailblazers program is the production and marketing of maple syrup. Students will apply to the program during option sheet completion and participate in an interview with the program teacher(s).

For more information contact Mr. Farrell or Mr. Leach-Weiers.

FLOWCHARTS AND COURSE DESCRIPTIONS

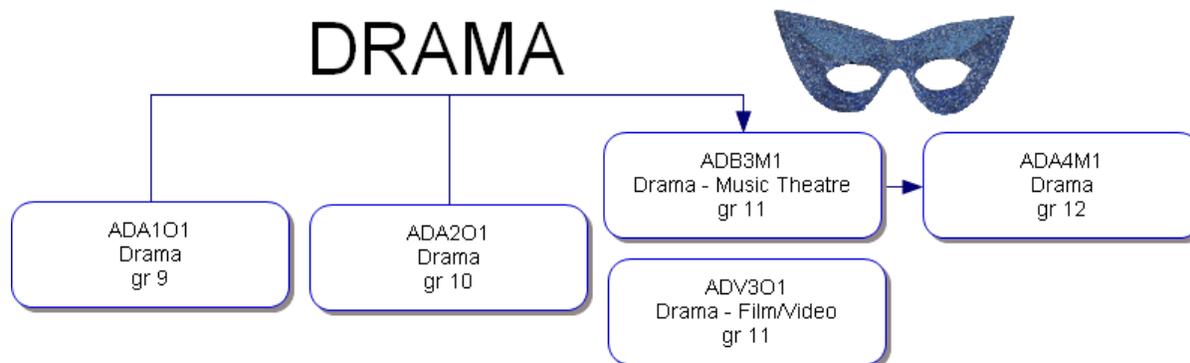
The following pages contain prerequisite flowcharts for each subject area and course descriptions for each course that are available as options for 2011-2012. The prerequisites and course descriptions are determined by the Ontario Ministry of Education. Refer to the Ministry's website at www.edu.gov.on.ca for secondary school curriculum documents which contain overall and specific expectations for each course.

A note about the flowcharts—not all possible pathways are identified in these flowcharts. They are designed to assist you in planning a pathway within a particular subject area. Solid connecting lines mean a prerequisite is required (in other words you must have successfully completed one course before taking the next course). Dotted lines indicate a suggested pathway (we recommend that you take one course before taking the next course). If there is no line leading to a course, there is no prerequisite for that course.



Guidance Counsellors will assist students and parents in selecting appropriate courses in line with the student's postsecondary plans and current level of achievement. Students are reminded to seek this advice from their Counsellors. Subject teachers, Student Success teachers, and Learning Resource teachers are also important resources for students to assist with course planning. Ask your teachers.

This Calendar outlines programs and courses that we offer for the next school year. Whether a program or course runs is subject to sufficient enrolment.



DRAMA
Grade 9 (Open)

ADA101

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

Prerequisite: None

DRAMA
Grade 10 (Open)

ADA201

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.

Prerequisite: None

DRAMA – Film/Video
Grade 11 (Open)

ADV3O1

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 analyze the processes involved in producing dramatic works. Students will develop skills related to collaboration and the presentation of dramatic works. The focus of this course is film and video.

Prerequisite: None

DRAMA – Music Theatre
Grade 11 (University/College Prep)

ADB3M1

This course requires students to create and perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyze the functions of playwrights, directors, actors, designers, technicians, and audiences. The focus of this course is music theatre.

Prerequisite: ADA101 or ADA201

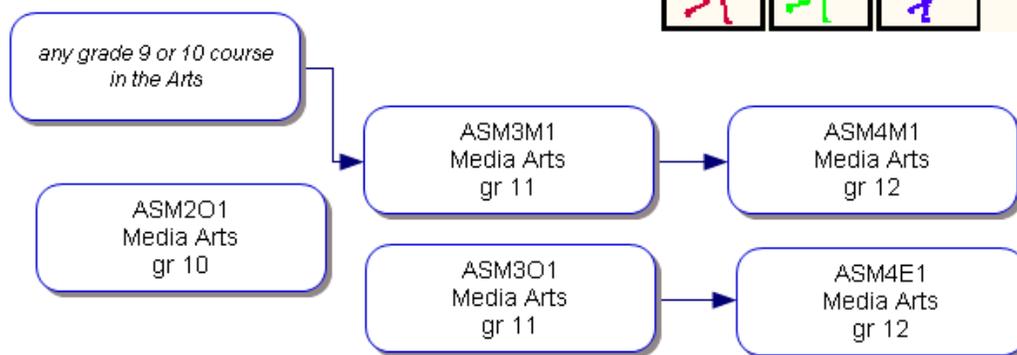
DRAMA
Grade 12 (University/College Prep)

ADA4M1

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 analyze how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.

Prerequisite: ADA3M1

MEDIA ARTS



MEDIA ARTS
Grade 10 (Open)

ASM2O1

This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communication skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works.

Prerequisite: None

MEDIA ARTS
Grade 11 (Open)

ASM3O1

This course enables students to create media art works using available and emerging technologies such as computer animation, digital imaging, video, and a variety of media. Students will explore the elements and principles of media arts, the connections between contemporary media art works and traditional art forms, and the importance of using responsible practices when engaged in the creative process. Students will develop the skills necessary to create and interpret media art works.

Prerequisite: None

MEDIA ARTS**Grade 11 (University/College Prep)****ASM3M1**

This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyze the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and community values.

Prerequisite: Any grade 9 or 10 course in the Arts

MEDIA ARTS**Grade 12 (Workplace Prep)****ASM4E1**

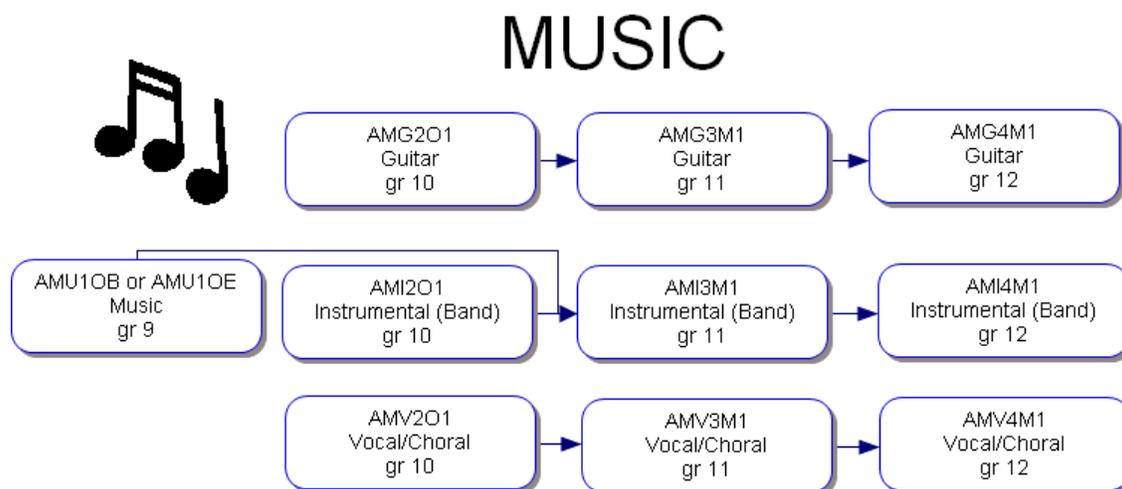
This course focus on a practical approach to a variety of media arts challenges specific to the interests of the student and provides students with opportunities to examine media arts in relationship to the world of work. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in postsecondary work experiences. Students will critically analyze the role of media artists in shaping audience perceptions of identity, culture, and community values, particularly within the context of the workplace.

Prerequisite: ASM3O1

MEDIA ARTS**Grade 12 (University/College Prep)****ASM4M1**

This course emphasizes the refinement of media arts skills through the creation of a thematic body of work by applying traditional and emerging technologies, tools, and techniques such as multimedia, computer animation, installation art, and performance art. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in either career or postsecondary education applications. Students will critically analyze the role of media artists in shaping audience perceptions of identity, culture, and community values.

Prerequisite: ASM3M1



MUSIC**Grade 9 (Open)...Beginners****AMU10B****Grade 9 (Open)...Experienced****AMU10E**

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.

Prerequisite: Beginners – None

Experienced – Previous instrumental experience

FOCUS COURSES

MUSIC – Guitar**AMG201****MUSIC – Instrumental (Band)****AMI201****MUSIC – Vocal/Choral****AMV201****Grade 10 (Open)**

These courses emphasize 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.

Prerequisite: None (previous experience is advisable)

MUSIC – Guitar**AMG3M1****MUSIC – Instrumental (Band)****AMI3M1****MUSIC – Vocal/Choral****AMV3M1****Grade 11 (University/College Prep)**

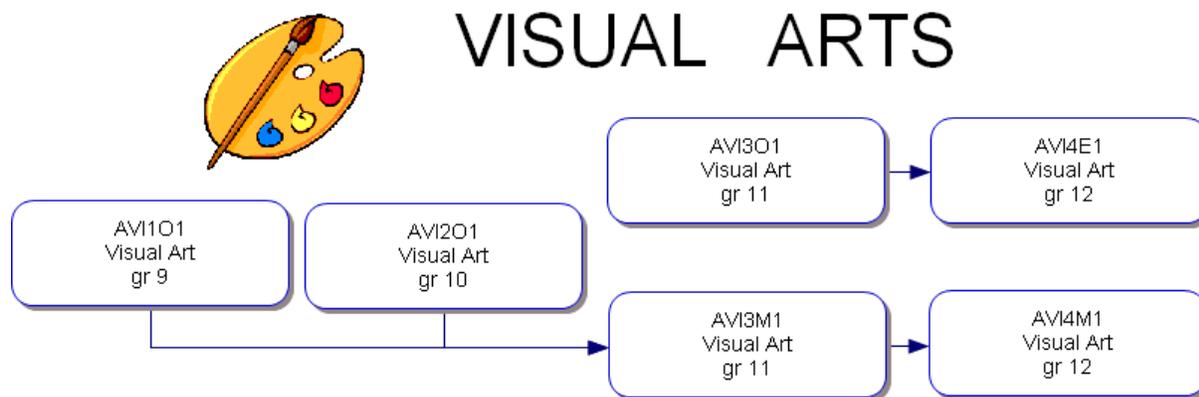
These courses provide students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analyzing 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 lives and careers.

Prerequisite: For AMG3M1 – AMG201, For AMI3M1 – AMU10B, AMU10E, or AMI201, For AMV3M1 – AMV201

MUSIC – Guitar**AMG4M1****MUSIC – Instrumental (Band)****AMI4M1****MUSIC – Vocal/Choral****AMV4M1****Grade 12 (University/College Prep)**

These courses enable 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 analyze how to apply skills developed in music to their lives and careers.

Prerequisite: For AMG4M1 – AMG3M1, For AMI4M1 – AMI3M1, For AMV4M1 – AMV3M1



VISUAL ARTS
Grade 9, Open

AV1101

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.

Prerequisite: None

VISUAL ARTS
Grade 10 (Open)

AV201

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.

Prerequisite: None

VISUAL ARTS
Grade 11 (Open)

AV1301

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.

Prerequisite: None

VISUAL ARTS**Grade 11 (University/College Prep)****AVI3M1**

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.

After a brief period of review and study students will conference with the teacher to designate one major area of focus for the remainder of the course. These areas include: Drawing, Drawing and Painting, Fashion Design, Illustration, Interior Design, Painting, Photography, Printmaking, and Sculpture.

Prerequisite: AVI1O1 or AVI2O1

VISUAL ARTS**Grade 12 (Workplace Prep)****AVI4E1**

This course focuses on a practical approach to a variety of art and design projects related to the workplace. Students will use the creative process to produce a traditional and/or digital portfolio of their work in a variety of media. Students may focus on various aspects of visual arts, including advertising, ceramics, fashion design, graphic arts, jewellery design, and/or web design.

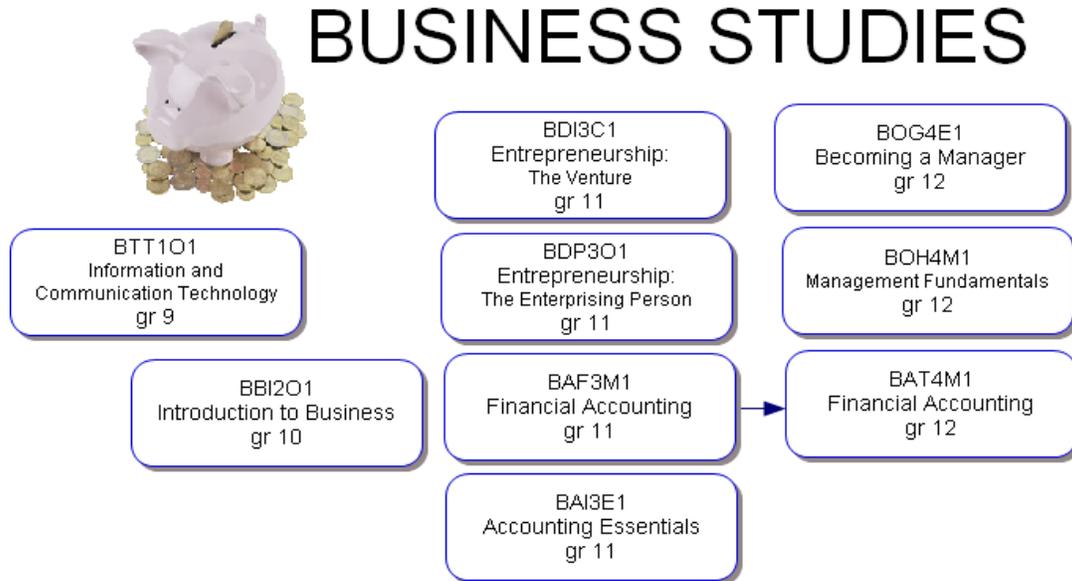
Prerequisite: AVI3O1

VISUAL ARTS**Grade 12 (University/College Prep)****AVI4M1**

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.

The course further enhances a student's chosen area of focus in AVI3M1. After a brief period of review and study students will continue with their area of focus for the remainder of the course. These areas include: Drawing, Drawing and Painting, Fashion Design, Illustration, Interior Design, Painting, Photography, Printmaking, and Sculpture.

Prerequisite: AVI3M1



INFORMATION and COMMUNICATION TECHNOLOGY in BUSINESS
Grade 9 (Open)

BTT101

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.

Prerequisite: None

INTRODUCTION TO BUSINESS
Grade 10 (Open)

BBI201

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 the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

Prerequisite: None

ACCOUNTING ESSENTIALS
Grade 11 (Workplace Prep)

BAI3E1

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

Prerequisite: None

FINANCIAL ACCOUNTING FUNDAMENTALS**Grade 11 (University/College Prep)****BAF3M1**

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 ethics and current issues in accounting.

Prerequisite: None

FINANCIAL ACCOUNTING PRINCIPLES**Grade 12 (University/College Prep)****BAT4M1**

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 expands students' knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations.

Prerequisite: BAF3M1

ENTREPRENEURSHIP: The Enterprising Person**Grade 11 (Open)****BDP3O1**

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

Prerequisite: None

ENTREPRENEURSHIP: The Venture**Grade 11 (College Prep)****BDI3C1**

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

Prerequisite: None

BECOMING A MANAGER**Grade 12 (Workplace Prep)****BOG4E1**

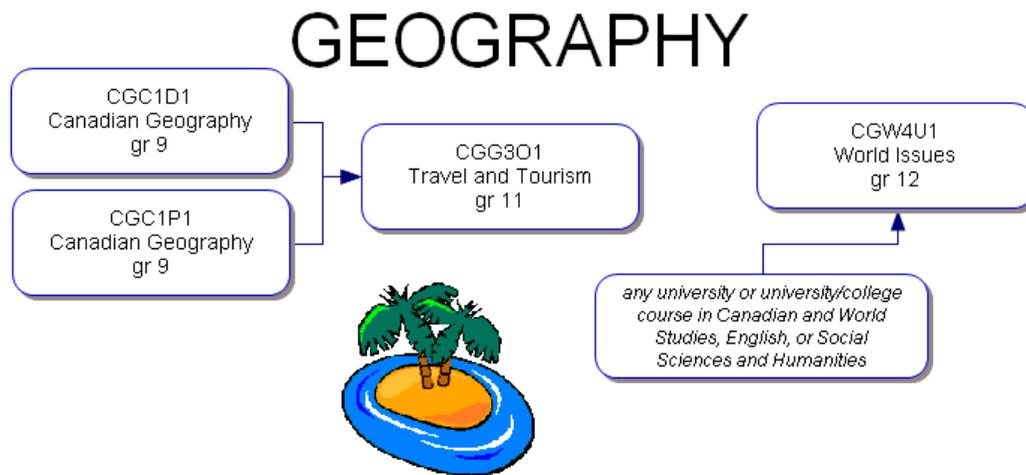
This course helps students prepare for managerial positions in their future careers. Students will focus on the development of core skills required to become a successful manager, including operations management, inventory control, marketing, financial planning, scheduling, and communication. Students will also explore the management challenges of hiring, training, and motivating employees, and complying with legal requirements.

Prerequisite: None

MANAGEMENT FUNDAMENTALS**Grade 12 (University/College Prep)****BOH4M1**

This course focuses on developing leadership skills used in managing a successful business. Students will analyze the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized.

Prerequisite: None



GEOGRAPHY OF CANADA Grade 9 (Applied)

CGC1P1

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

Prerequisite: None

GEOGRAPHY OF CANADA Grade 9 (Academic)

CGC1D1

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.

Prerequisite: None

TRAVEL AND TOURISM: A REGIONAL GEOGRAPHIC PERSPECTIVE Grade 11 (Open)

CGG301

This course focuses on travel and tourism as the vehicle for studying selected world regions. Using a variety of geotechnologies and inquiry and communication methods, students will conduct and present case studies that develop their understanding of the unique characteristics of selected world regions; the environmental, cultural, economic, and political factors that influence travel and tourism; and the impact of the travel industry on communities and environments around the world.

Prerequisite: CGC1D1, CGC1DF, or CGC1P1

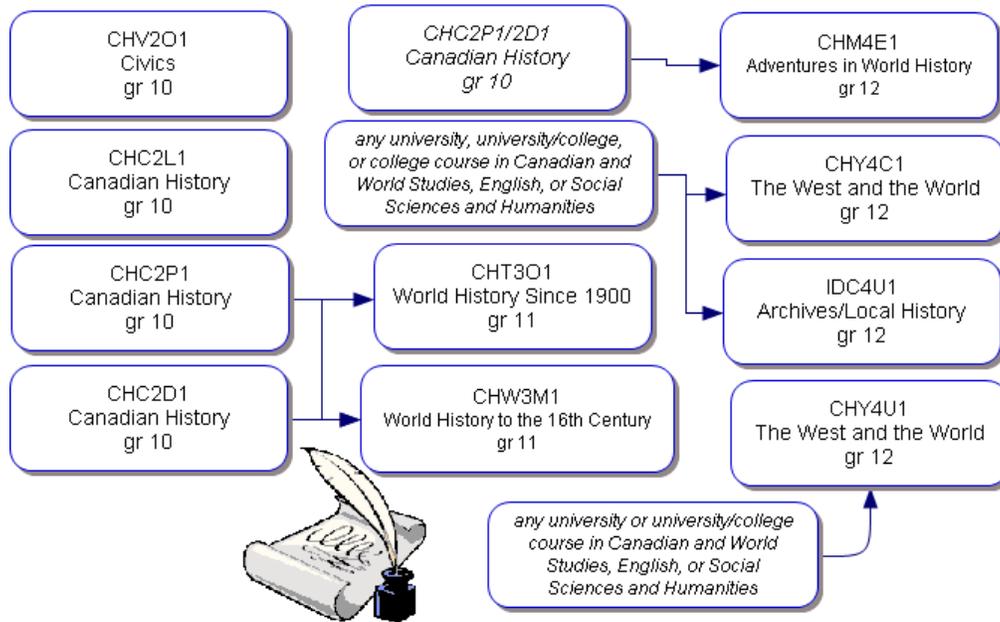
CANADIAN AND WORLD ISSUES: A GEOGRAPHIC ANALYSIS Grade 12 (University Prep)

CGW4U1

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.

Prerequisite: Any U or M prep course in Canadian and World Studies, English, or Social Sciences and Humanities

HISTORY



CIVICS

Grade 10 (Open)

CHV201

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.

Prerequisite: None

CANADIAN HISTORY

Grade 10 (Locally Developed)

CHC2L1

This course focuses on the connections between the student and key people, events, and themes in Canadian history from World War I to the present. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada.

Prerequisite: Permission of Guidance Counsellor

CANADIAN HISTORY SINCE WORLD WAR I

Grade 10 (Applied)

CHC2P1

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

Prerequisite: None

CANADIAN HISTORY SINCE WORLD WAR I
Grade 10 (Academic)**CHC2D1**

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 issues and events and to present their own points of view.

Prerequisite: None

WORLD HISTORY SINCE 1900: GLOBAL AND REGIONAL PERSPECTIVES
Grade 11 (Open)**CHT3O1**

This course focuses on the major events and issues in world history from 1900 to the present. Students will investigate the causes and effects of global and regional conflicts and the responses of individuals and governments to social, economic, and political changes. Students will use critical thinking and communication skills to formulate and test points of view, draw conclusions, and present their findings about the challenges that have faced and continue to face people in various parts of the world.

Prerequisite: CHC2L1, CHC2P1, or CHC2D1

WORLD HISTORY TO THE SIXTEENTH CENTURY
Grade 11 (University/College Prep)**CHW3M1**

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 to present their own conclusions.

Prerequisite: CHC2P1 or CHC2D1

ADVENTURES IN WORLD HISTORY
Grade 12 (Workplace prep)**CHM4E1**

This course explores a variety of human experiences in world history from earliest times to the present. Students will learn about a wider range of societies and cultures, examining such things as systems of government, technological developments, work, art, and religion. Students will apply methods of research and inquiry to examine human societies in many different times and places to communicate points of view about their findings.

Prerequisite: CHC2L1, CHC2P1, or CHC2D1

ARCHIVES AND LOCAL HISTORY
Grade 12 (University Prep)**IDC4U1**

This course will provide students with a greater understanding and appreciation of the essential role that local historical and archival work has played in maintaining our past. Students will visit museums, archives, cemeteries and other historical sites to acquire a highly developed understanding of their school and local community and the broader community in which they live and work. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic and mass media resources to analyze historical innovations and exemplary research to investigate real life situations and career opportunities in interdisciplinary endeavours. The independent and group research work in this course also provides students with the advanced research and analysis skills that will allow them to pursue post secondary work with greater expertise.

Prerequisite: Any U, M, or C prep course in Canadian and World Studies, English, or Social Sciences and Humanities

WORLD HISTORY: THE WEST AND THE WORLD
Grade 12 (College Prep)

CHY4C1

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.

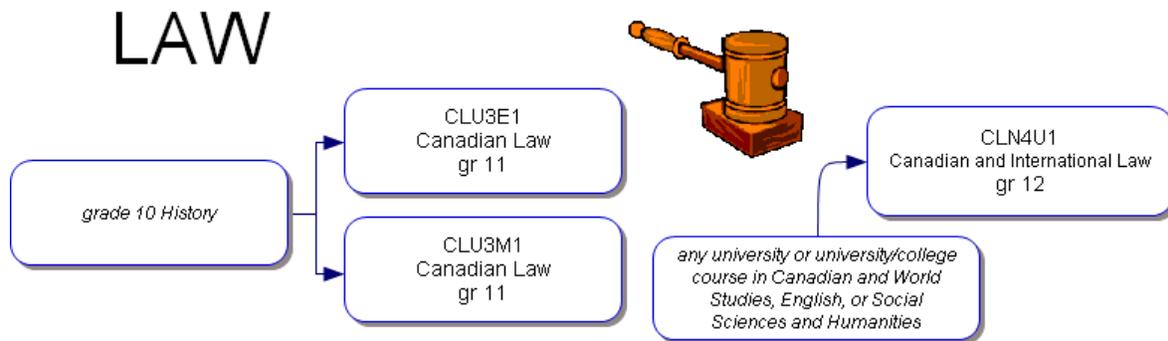
Prerequisite: Any U, M, or C prep course in Canadian and World Studies, English, or Social Sciences and Humanities

WORLD HISTORY: THE WEST AND THE WORLD
Grade 12 (University Prep)

CHY4U1

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.

Prerequisite: Any U or M prep course in Canadian and World Studies, English, or Social Sciences and Humanities



UNDERSTANDING CANADIAN LAW
Grade 11 (Workplace Prep)

CLU3E1

This course gives students practical information about legal issues that directly affect their lives. Students will examine the need for laws in society, the roots of Canada’s legal system, the rights and freedoms that people in Canada enjoy, and the basic elements of criminal law and dispute resolution. Through experiences such as mock trials, debates and case studies, students will apply inquiry and communication skills to develop and express opinions on legal topics of interest to them.

Prerequisite: CHC2P1 or CHC2D1

UNDERSTANDING CANADIAN LAW
Grade 11 (University/College Prep)

CLU3M1

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

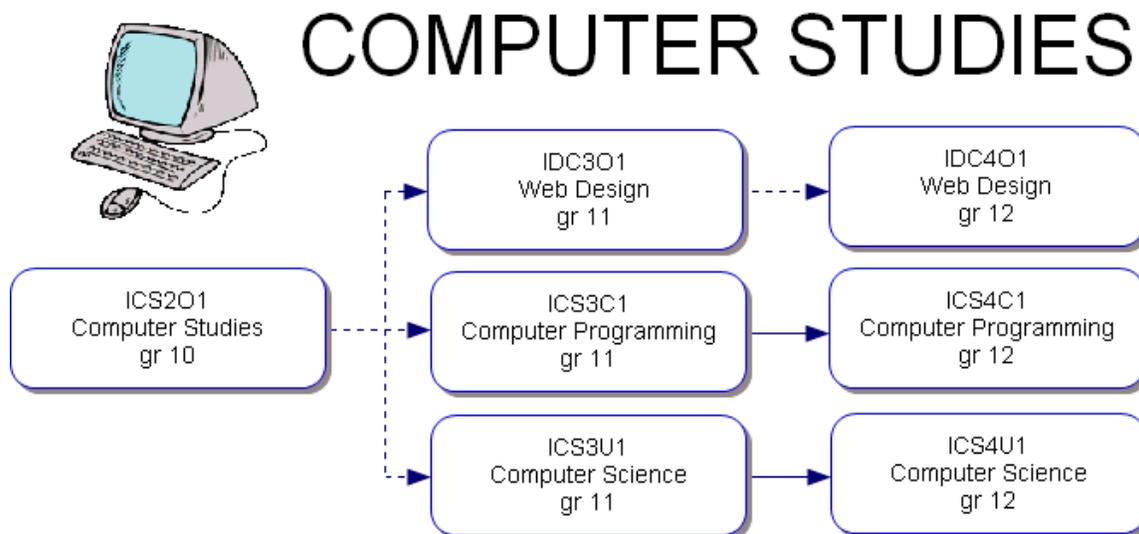
Prerequisite: CHC2P1 or CHC2D1(F)

CANADIAN AND INTERNATIONAL LAW
Grade 12 (University Prep)

CLN4U1

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.

Prerequisite: Any U or M prep course in Canadian and World Studies, English, or Social Sciences and Humanities



INTRODUCTION TO COMPUTER STUDIES
Grade 10 (Open)

ICS201

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.

Prerequisite: None

COMPUTER PROGRAMMING

INTRODUCTION TO COMPUTER PROGRAMMING
Grade 11 (College Prep)

ICS3C1

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 post secondary opportunities in computer related fields.

Prerequisite: None (ICS201 recommended)

COMPUTER PROGRAMMING**Grade 12 (College Prep)****ICS4C1**

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.

Prerequisite: ICS3C1

COMPTUER SCIENCE

INTRODUCTION TO COMPUTER SCIENCE**Grade 11 (University Prep)****ICS3U1**

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.

Prerequisite: None (ICS2O1 recommended)

COMPUTER SCIENCE**Grade 12 (University Prep)****ICS4U1**

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 analyze 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.

Prerequisite: ICS3U1

WEB DESIGN

INTEGRATED WEB DESIGN**Grade 11 (Open)****IDC3O1**

This course will help students apply design and development concepts using a variety of computer based media. Students will go beyond the creation of simple web pages to the design and development of an Internet application to meet a particular client specification. They will create graphical content such as photographs, drawings, and animation. Students will also learn to create programs and scripts for the Internet so they can integrate their own features such as interactive forms, dynamic web page content, interactive tutorials and simple games.

Prerequisite: None (ICS2O1 recommended)

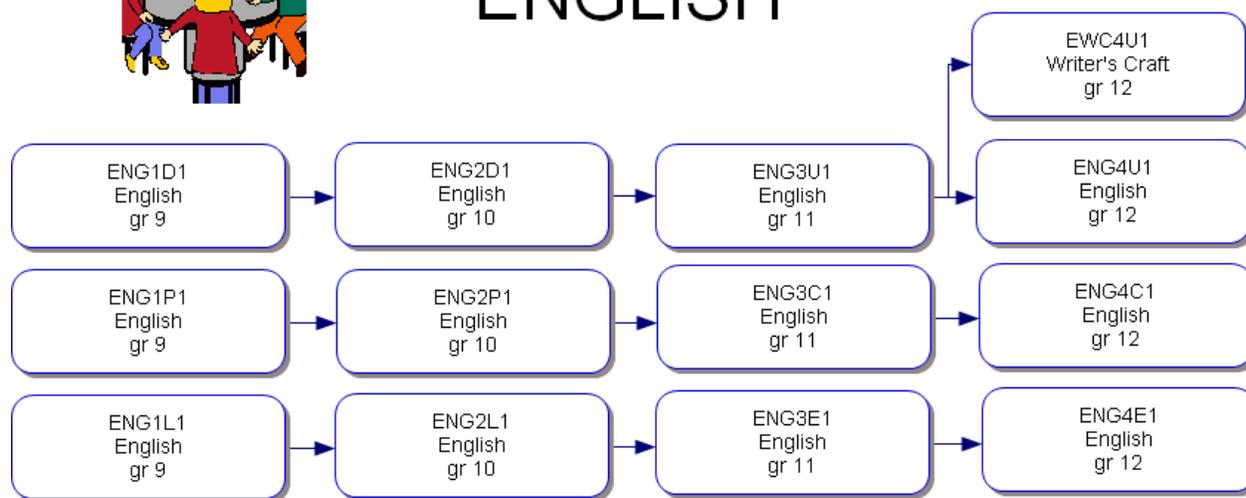
INTEGRATED WEB DESIGN**Grade 12 (Open)****IDC4O1**

This course builds upon the Internet application development skills attained in IDC3O. Through working on specific client projects, students will learn about the software development life cycle and work to meet particular requirements of a client. The skills learned will depend on the projects selected. It is expected that students at this level be able to identify specific skills they need to learn to complete the projects, and with the guidance of the teacher work on their own or as a team to develop those skills.

Prerequisite: None (IDC3O1 recommended)



ENGLISH



ENGLISH Grade 9 (Locally Developed)

ENG1L1

This course emphasizes the key reading, writing, and oral communication and thinking skills students need for success in school and beyond. Students practice the skills necessary for clear and accurate spoken and written language. Course activities will develop confidence and self esteem and provide motivation to succeed in school and life. This course is intended to prepare students for the Grade 10 locally developed English course, which leads to workplace prep courses in grades 11 and 12.

Prerequisite: Permission of Guidance Counsellor

ENGLISH Grade 9 (Applied)

ENG1P1

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 prep courses in grades 11 and 12.

Prerequisite: None

ENGLISH Grade 9 (Academic)

ENG1D1

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 prep courses in grades 11 and 12.

Prerequisite: None

ENGLISH**Grade 10 (Locally Developed)****ENG2L1**

This course focuses on extending students' literacy and communication skills to prepare them for success in their daily lives and in the workplace. The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. This course is intended to prepare students for the compulsory grade 11 English workplace prep course.

Prerequisite: Permission of Guidance Counsellor

ENGLISH**Grade 10 (Applied)****ENG2P1**

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

Prerequisite: ENG1P1 or ENGD1

ENGLISH**Grade 10 (Academic)****ENG2D1**

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: ENG1P1 or ENG1D1

ENGLISH**Grade 11 (Workplace Prep)****ENG3E1**

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 prep course.

Prerequisite: Permission of Guidance Counsellor

ENGLISH**Grade 11 (College Prep)****ENG3C1**

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 prep course.

Prerequisite: ENG2P1

ENGLISH**Grade 11 (University Prep)****ENG3U1**

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

Prerequisite: ENG2D1

ENGLISH**Grade 12 (Workplace Prep)****ENG4E1**

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 analyze informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.

Prerequisite: Permission of Guidance Counsellor

ENGLISH**Grade 12 (College Prep)****ENG4C1**

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

Prerequisite: ENG3C1

ENGLISH**Grade 12 (University Prep)****ENG4U1**

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 analyze 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: ENG3U1

THE WRITER'S CRAFT**Grade 12 (University Prep)****EWC4U1**

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 a part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers. *[This course is offered in alternate years, available in 2011-2012.]*

Prerequisite: ENG3U1

ONTARIO SECONDARY SCHOOL LITERACY COURSE
Grade 12 (Open)**OLC401**

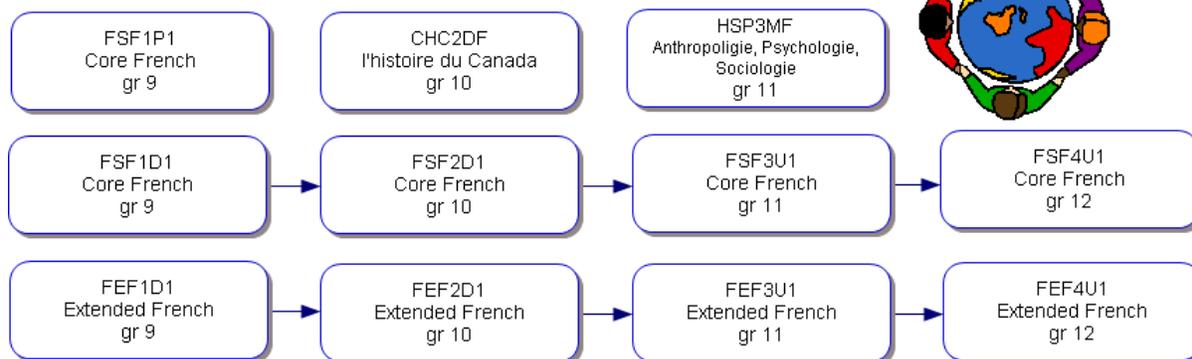
This course is designed to help students acquire and demonstrate the cross curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test. Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety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

The credit earned for this course may be used to meet with the grade 12 English compulsory credit requirement or the Group 1 additional compulsory credit requirement, or may be used as an elective credit.

Prerequisite: Students who have been eligible to write the OSSLT at least twice, and have attempted and been unsuccessful at least once, are eligible to take this course. Other students who have met the literacy requirement may be able to take the course under special circumstances, at the discretion of the principal.

Prerequisite: Permission of Guidance Counsellor

FRENCH



**CORE FRENCH
Grade 9 (Applied)**

FSF1P1

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

Prerequisite: Min 600 hrs of French instruction or equivalent

**CORE FRENCH
Grade 9 (Academic)**

FSF1D1

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

Prerequisite: Min 600 hrs of French instruction or equivalent

**CORE FRENCH
Grade 10 (Academic)**

FSF2D1

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: FSF1D1 or FSF1P1

**CORE FRENCH
Grade 11 (University Prep)**

FSF3U1

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.

Prerequisite: FSF2D1

CORE FRENCH

Grade 12 (University Prep)

FSF4U1

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: FSF3U1

EXTENDED FRENCH

Grade 9 (Academic)

FEF1D1

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 read and write in a variety of genres (e.g., poems, articles, brochures) and study at least one short novel intended for a French speaking audience.

Prerequisite: Minimum of 1260 hrs of French instruction, or equivalent

EXTENDED FRENCH

Grade 10 (Academic)

FEF2D1

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.

Prerequisite: FEF1D1

EXTENDED FRENCH

Grade 11 (University Prep)

FEF3U1

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.

Prerequisite: FEF2D1

EXTENDED FRENCH

Grade 12 (University Prep)

FEF4U1

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 through the course.

Prerequisite: FEF3U1

I'HISTOIRE

Grade 10 (Academic)

CHC2DF

Same as CHC2D1 – this course is taught in French. [This course is offered in alternate years, available in 2011-2012.]

Prerequisite: 1260 hrs of French instruction or equivalent

LA GEOGRAPHIE DU CANADA

Grade 9 (Academic)

CGC1DF

Same as CGC1D1 – this course is taught in French. [*This course is offered in alternate years, available in 2012-2013*]

Prerequisite: 1260 hrs of French instruction or equivalent

INTRODUCTION a l'ANTHROPOLOGIE, la PSYCHOLOGIE, et la SOCIOLOGIE

Grade 11 (University/College Prep)

HSP3MF

Same as HSP3M1 – this course is taught in French. [*This course is offered in alternate years, available in 2011-2012.*]

Prerequisite: FEF2D1

GUIDANCE AND CAREER EDUCATION



GLC201
Career Studies
gr 10

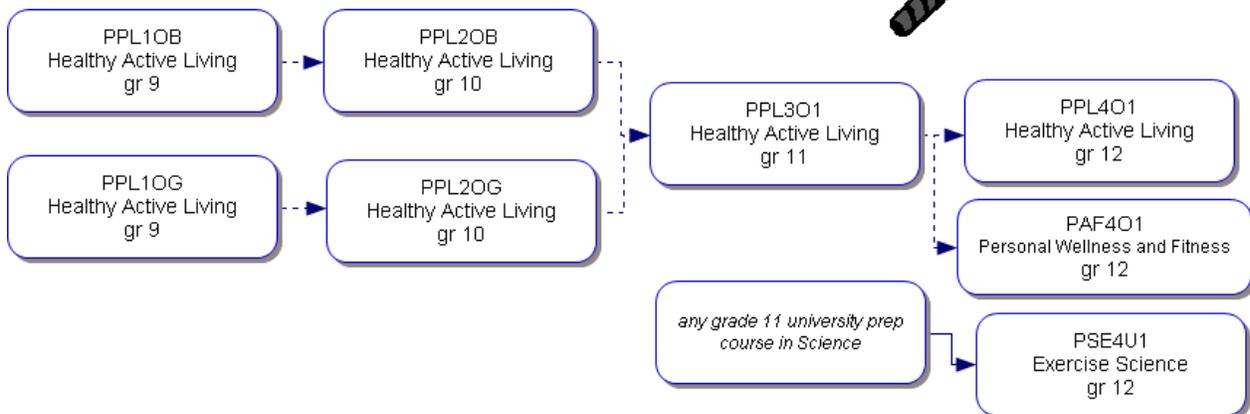
CAREER STUDIES Grade 10 (Open)

GLC201

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.

Prerequisite: None

HEALTH & PHYSICAL EDUCATION



HEALTHY ACTIVE LIVING Grade 9 (Open)

PPL1OB (Boys)
PPL1OG (Girls)

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 participate in activities designed to develop goal setting, communication, and social skills.

Prerequisite: None

HEALTHY ACTIVE LIVING**Grade 10 (Open)****PPL20B (Boys)****PPL20G (Girls)**

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.

Note: A \$10 fee may be required for community facility use.

Prerequisite: None

HEALTHY ACTIVE LIVING**Grade 11 (Open)****PPL301**

This co-ed 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 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.

Note: A \$35 fee is required for community facility use.

Prerequisite: None

HEALTHY ACTIVE LIVING**Grade 12 (Open)****PPL401**

This co-ed 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.

Note: A \$50 fee is required for community facility use.

Prerequisite: None

PERSONAL WELLNESS AND FITNESS**Grade 12 (Open)****PAF401**

Same as PPL401, with a focus on strength and fitness training (weight training, circuit training, running, swimming, cycling, strength and conditioning programs, nutrition, sport specific training, and injury prevention).

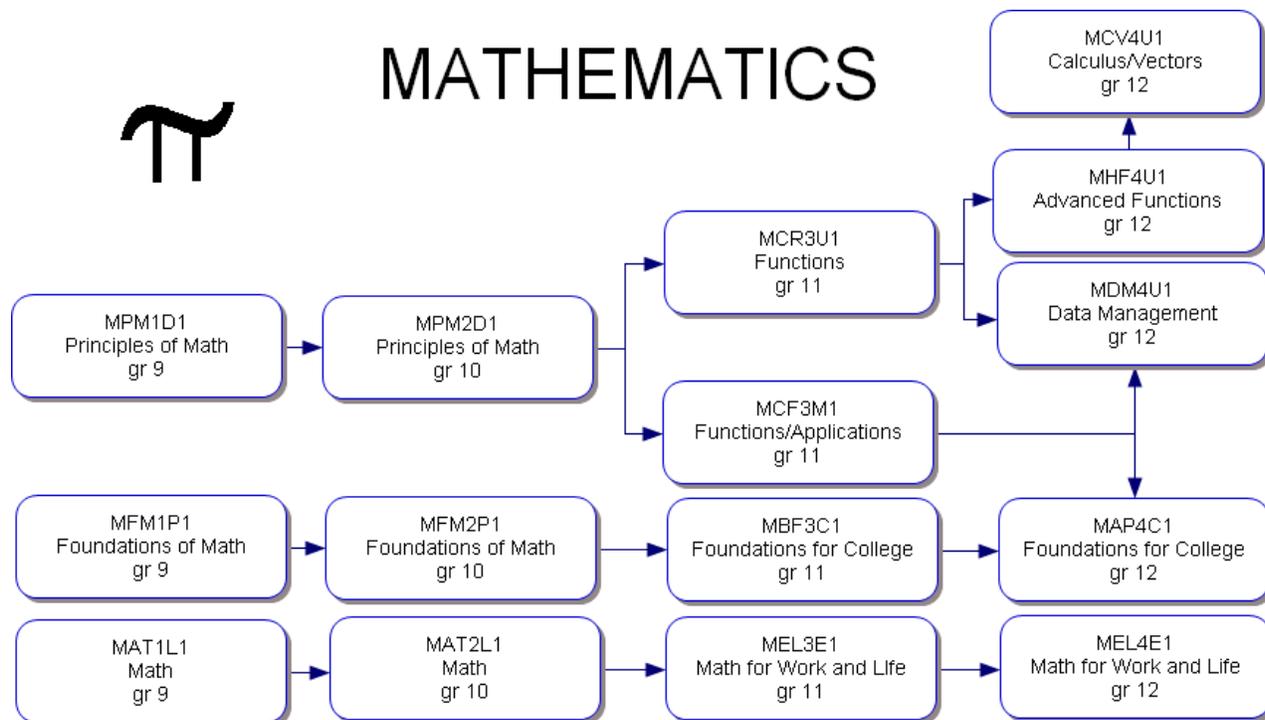
Note: A \$50 fee is required for community facility use.

Prerequisite: PPL301

EXERCISE SCIENCE**Grade 12 (University Prep)****PSE4U1**

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 prepared students for university programs in physical education, kinesiology, recreation, and sports administration.

Prerequisite: Any grade 11 U or M prep course in Science



MATHEMATICS
Grade 9 (Locally Developed)

MAT1L1

Concepts will be presented in a real life context, providing students with the opportunity to explore, organize, interpret, and use mathematical models to solve problems. Technology and manipulatives will be used wherever appropriate. This course is intended to prepare students for the grade 10 locally developed Mathematics course, which leads to workplace prep courses in grades 11 and 12.

Prerequisite: Permission of Guidance Counsellor

FOUNDATIONS OF MATHEMATICS
Grade 9 (Applied)

MFM1P1

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.

Prerequisite: None

PRINCIPLES OF MATHEMATICS

Grade 9 (Academic)

MPM1D1

This course enables students to develop an 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 linear relation. They will also explore relationships that emerge from the measurement of three dimensional figures and two dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multistep problems.

Prerequisite: None

MATHEMATICS

Grade 10 (Locally Developed)

MAT2L1

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives and in the workplace. This course is intended to prepare students for the compulsory grade 11 Mathematics workplace prep course.

Prerequisite: Permission of Guidance Counsellor

FOUNDATIONS OF MATHEMATICS

Grade 10 (Applied)

MFM2P1

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: MFM1P1 or MPM1D1

PRINCIPLES OF MATHEMATICS

Grade 10 (Academic)

MPM2D1

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

Prerequisite: MPM1D1

MATHEMATICS FOR WORK AND EVERYDAY LIFE

Grade 11 (Workplace Prep)

MEL3E1

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

Prerequisite: Permission of Guidance Counsellor

FOUNDATIONS FOR COLLEGE MATHEMATICS

Grade 11 (College)

MBF3C1

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 learning.

Prerequisite: MFM2P1

FUNCTIONS AND APPLICATIONS

Grade 11 (University/College Prep)

MCF3M1

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modeling real world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi step problems.

Prerequisite: MPM2D1 or MFM2P1

FUNCTIONS

Grade 11 (University Prep)

MCR3U1

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 application 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: MPM2D1

MATHEMATICS FOR WORK AND EVERYDAY LIFE

Grade 12 (Workplace Prep)

MEL4E1

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

Prerequisite: Permission of Guidance Counsellor

FOUNDATIONS FOR COLLEGE MATHEMATICS

Grade 12 (College Prep)

MAP4C1

This course enables students to broaden their understanding of real world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

Prerequisite: MBF3C1 or MCF3M1

ADVANCED FUNCTIONS
Grade 12 (University Prep)**MHF4U1**

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: MCR3U1

CALCULUS AND VECTORS
Grade 12 (University Prep)**MCV4U1**

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

Prerequisite: MHF4U1 (prior to or concurrently)

MATHEMATICS OF DATA MANAGEMENT
Grade 12 (University Prep)**MDM4U1**

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analyzing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences and the humanities will find this course of particular interest.

Prerequisite: MCR3U1 or MCF3M1

Note: Senior students who are interested in being tutors should speak with their Guidance Counsellor in order to get their names on the tutor list. We occasionally have students from a variety of grades and levels who require a tutor. Tutors volunteer their time (earning community service hours if needed) or work for a mutually agreed upon fee.



NATIVE STUDIES

CHC2P1, or CHC2D1

NBV3C1
Aboriginal Beliefs, Values,
Aspirations in Contemporary Society
gr 11

NBV3E1
Aboriginal Beliefs, Values,
Aspirations in Contemporary Society
gr 11

ABORIGINAL BELIEFS, VALUES, AND ASPIRATIONS IN CONTEMPORARY SOCIETY Grade 11 (Workplace Prep)

NBV3E1

This course focuses on the beliefs, values, and aspirations of Aboriginal peoples in Canada. Students will examine issues of identity facing Indian, Métis, and Inuit peoples, and their relationships to land and nature, as well as to one another within their communities and working environments. Students will also learn how traditional and contemporary beliefs and values influence the present day aspirations and actions of Aboriginal peoples.

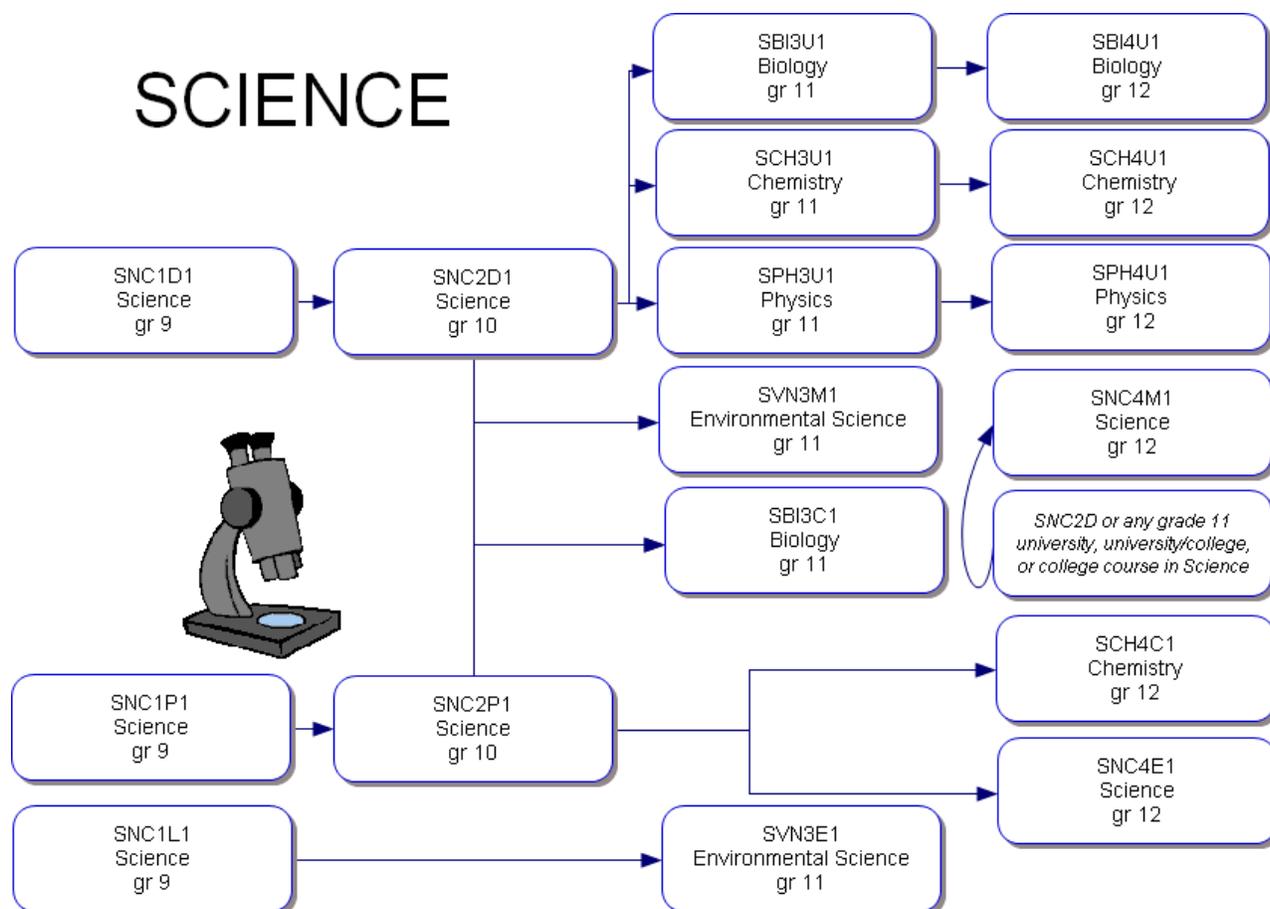
Prerequisite: CHC2P1 or CHC2D1

ABORIGINAL BELIEFS, VALUES, AND ASPIRATIONS IN CONTEMPORARY SOCIETY Grade 11 (College Prep)

NBV3C1

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.

Prerequisite: CHC2P1 or CHC2D1

**SCIENCE****Grade 9 (Locally Developed)****SNC1L1**

Through a variety of hands on activities, students will broaden their knowledge and understanding of the basic concepts in biology, chemistry, earth and space science, and physics. Students will develop practical skills in science investigation and apply their knowledge and skills to everyday situations.

Prerequisite: Permission of Guidance Counsellor

SCIENCE**Grade 9 (Applied)****SNC1P1**

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.

Prerequisite: None

SCIENCE**Grade 9 (Academic)****SNC1D1**

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 process 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.

Prerequisite: None

SCIENCE**Grade 10 (Applied)****SNC2P1**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.

Prerequisite: SNC1P1 or SNC1D1

SCIENCE**Grade 10 (Academic)****SNC2D1**

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

Prerequisite: SNC1P1 or SNC1D1

SCIENCE**Grade 12 (Workplace)****SNC4E1**

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.

Prerequisite: Permission of Guidance Counsellor

SCIENCE**Grade 12 (University/College Prep)****SNC4M1**

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

Prerequisite: SNC2D1 or any grade 11 U, M, or C prep course in Science

BIOLOGY**BIOLOGY**
Grade 11 (College Prep)**SBI3C1**

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

Prerequisite: SNC2P1 or SNC2D1

BIOLOGY
Grade 11 (University Prep)**SBI3U1**

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

Prerequisite: SNC2D1

BIOLOGY
Grade 12 (University Prep)**SBI4U1**

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

Prerequisite: SBI3U1

CHEMISTRY**CHEMISTRY**
Grade 11 (University Prep)**SCH3U1**

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

Prerequisite: SNC2D1

CHEMISTRY
Grade 12 (College Prep)**SCH4C1**

This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment.

Prerequisite: SNC2P1 or SNC2D1

CHEMISTRY**Grade 12 (University Prep)****SCH4U1**

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

Prerequisite: SCH3U1

ENVIRONMENTAL SCIENCE

Students in the Trailblazers Program will take one of the following two courses in Environmental Science :

ENVIRONMENTAL SCIENCE**Grade 11 (Workplace Prep)****SVN3E1**

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

Prerequisite: SNC1L1, SNC1P1, or SNC1D1

ENVIRONMENTAL SCIENCE**Grade 11 (University/College Prep)****SVN3M1**

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas.

Prerequisite: SNC2P1 or SNC2D1

PHYSICS**PHYSICS****Grade 11 (University Prep)****SPH3U1**

This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, and 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.

Prerequisite: SNC2D1

PHYSICS
Grade 12 (University Prep)**SPH4U1**

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 related to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.

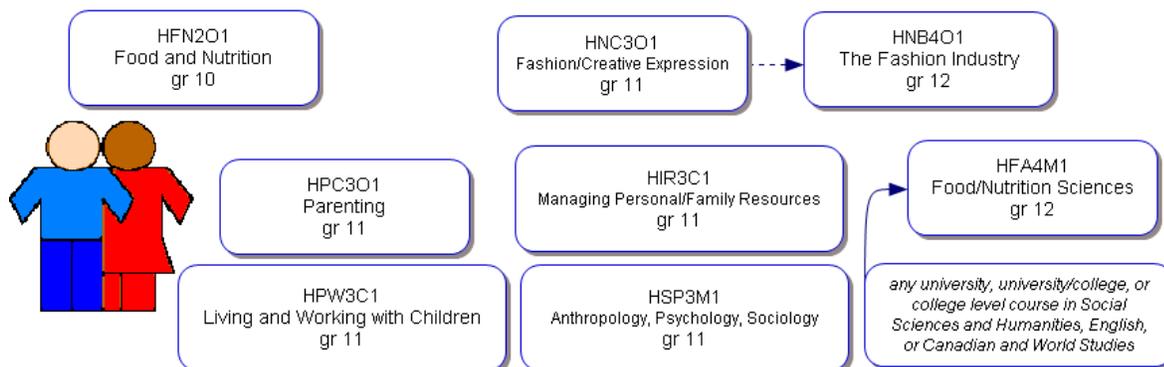
Prerequisite: SPH3U1

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- For Ontario universities → www.electronicinfo.ca
- For skilled trades → www.skillsontario.com

SOCIAL SCIENCES AND HUMANITIES



FOOD AND NUTRITION Grade 10 (Open)

HFN201

This course explores the factors that affect attitudes and decisions about food, examines current issues of body image and food marketing, and is grounded in the scientific study of nutrition. Students will learn how to make informed food choices and how to prepare foods, and will investigate our Canadian food heritage and food industries, as well as global food issues. The course also introduces students to research skills related to food and nutrition.

Note: A \$15 fee is required.

Prerequisite: None

FASHION AND CREATIVE EXPRESSION Grade 11 (Open)

HNC301

This course explores what clothing communicates about the wearer and how it becomes a creative and entrepreneurial outlet through the design and production processes. Students will learn, through practical experiences, about the nature of fashion design; the characteristics of fibres and fabrics; the construction, production, and marketing of clothing; and how to plan and care for a wardrobe that is appropriate for an individual's appearance, activities, employment, and lifestyle. Students will develop research skills as they explore the evolution of fashion and its relationship to society, culture, and individual psychology.

Note: A \$15 fee is required.

Prerequisite: None

PARENTING Grade 11 (Open)

HPC301

This course focuses on the skills and knowledge needed to promote the positive and healthy nurturing of children, with particular emphasis on the critical importance of the early years to human development. Students will learn how to meet the developmental needs of young children, communicate and discipline effectively, and guide early behaviour. They will have practical experiences with infants, toddlers, and preschoolers, and will learn skills in researching and investigating questions relating to parenting.

Prerequisite: None

LIVING AND WORKING WITH CHILDREN
Grade 11 (College Prep)

HPW3C1

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.

Prerequisite: None

MANAGING PERSONAL AND FAMILY RESOURCES
Grade 11 (College Prep)

HIR3C1

This course explores how to use human, material, and community resources effectively, and how to make informed choices with respect to clothing purchases, finance, food and nutrition, housing, and transportation. Students will learn about the dynamics of human interaction; how to make responsible choices in their transition to postsecondary education and careers; and strategies to enable them to manage time, talent, and money effectively. This course also introduces students to skills used in researching and investigating resource management.

Prerequisite: None

INTRODUCTION TO ANTHROPOLOGY, PSYCHOLOGY, AND SOCIOLOGY
Grade 11 (University/College Prep)

HSP3MF

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.

Prerequisite: None

THE FASHION INDUSTRY
Grade 12 (Open)

HNB4O1

This course provides a historical perspective on fashion and design, exploring the origins, influence, and importance of fashion as an expression of national, cultural, religious, and personal identity. Students will learn about the many facets of the Canadian fashion industry, including both large scale and small entrepreneurial enterprises, and its worldwide links, as well as gaining practical experience in garment design, production, and care. This course also refines students' skills used in researching and investigating various aspects of the fashion industry.

Note: A \$15 fee is required.

Prerequisite: None (HNC3O1 recommended)

FOOD AND NUTRITION SCIENCES
Grade 12 (University/College Prep)

HFA4M1

This course examines various nutritional, psychological, social, cultural, and global factors that influence people's food choices and customs. Students will learn about current Canadian and worldwide issues related to food, frameworks for making appropriate dietary choices, and food preparation techniques. This course also refines students' skills used in researching and investigating issues related to food and nutrition.

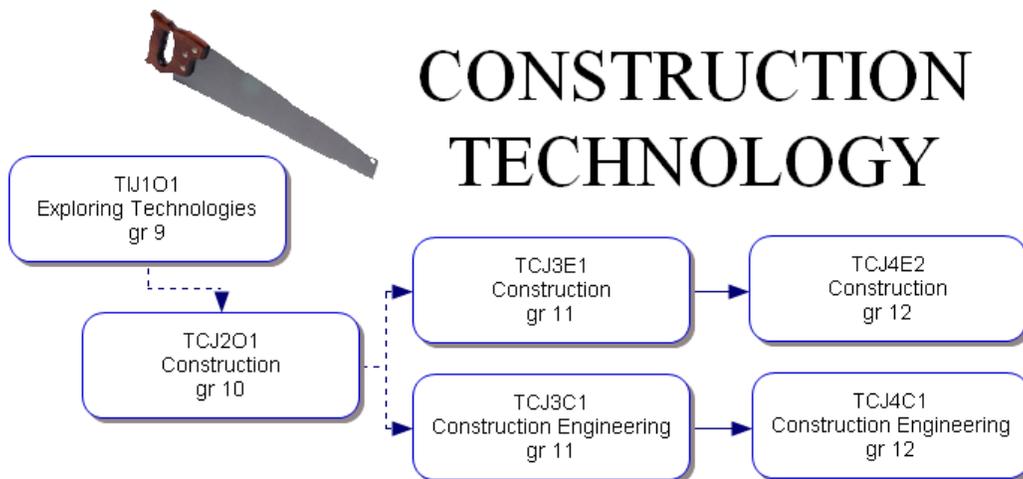
Note: A \$15 fee is required.

Prerequisite: Any U, M, or C prep course in Social Sciences and Humanities, English, or Canadian and World Studies

EXPLORING TECHNOLOGIES**Grade 9 (Open)****TIJ101**

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.

Prerequisite: None

**CONSTRUCTION TECHNOLOGY****Grade 10 (Open)****TCJ201**

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.

Prerequisite: None

CONSTRUCTION TECHNOLOGY**Grade 11 (Workplace Prep)****TCJ3E1**

This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands on experience using a variety of materials, processes, tools and equipment to design lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore postsecondary and career opportunities in the field.

Prerequisite: None

CONSTRUCTION ENGINEERING TECHNOLOGY
Grade 11 (College Prep)

TCJ3C1

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

Prerequisite: None

CONSTRUCTION TECHNOLOGY
Grade 12 (Workplace Prep)

TCJ4E2

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

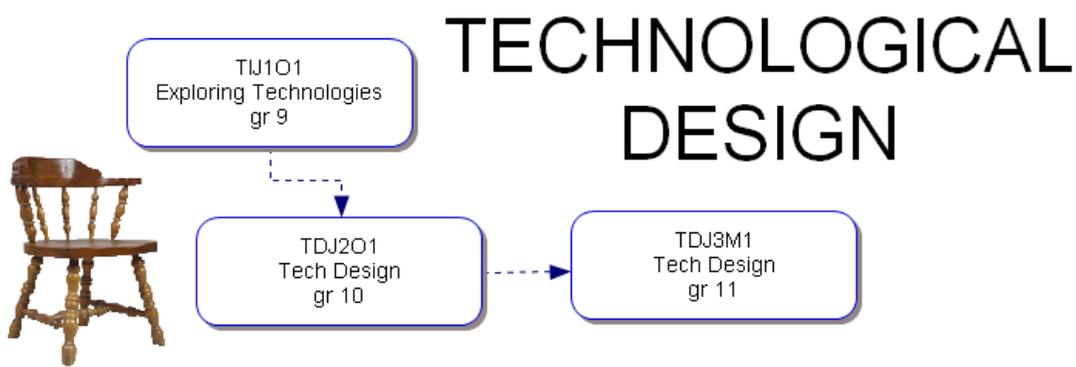
Prerequisite: TCJ3E1

CONSTRUCTION ENGINEERING TECHNOLOGY
Grade 12 (College Prep)

TCJ4C1

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

Prerequisite: TCJ3C1



TECHNOLOGICAL DESIGN
Grade 10 (Open)

TDJ201

This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field.

Prerequisite: None

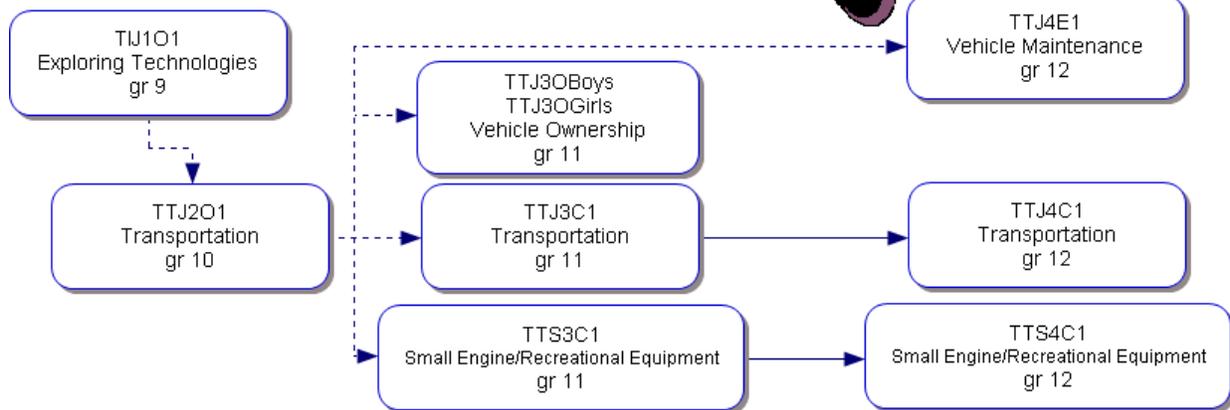
TECHNOLOGICAL DESIGN
Grade 11 (University/College Prep)

TDJ3M1

This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will explore career opportunities in the field, as well as the college and/or university program requirements for them.

Prerequisite: None

TRANSPORTATION TECHNOLOGY



TRANSPORTATION TECHNOLOGY
Grade 10 (Open)

TTJ201

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 vehicles/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.

Prerequisite: None

TRANSPORTATION TECHNOLOGY: VEHICLE OWNERSHIP**Grade 11 (Open)****TTJ3OG (Girls)****TTJ3OB (Boys)**

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

Prerequisite: None

TRANSPORTATION TECHNOLOGY**Grade 11 (College Prep)****TTJ3C1**

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.

Prerequisite: None

TRANSPORTATION TECHNOLOGY: SMALL ENGINE AND RECREATIONAL EQUIPMENT**Grade 11 (College Prep)****TTS3C1**

Same as TTJ3C1, with an emphasis on motorcycles, ATV's, and snowmobiles.

Prerequisite: None

TRANSPORTATION TECHNOLOGY: VEHICLE MAINTENANCE**Grade 12 (Workplace Prep)****TTJ4E1**

This course introduces students to the servicing, repair, and maintenance of vehicles through practical applications. The course is appropriate for all students as a general interest course to prepare them for future vehicle operation, care, and maintenance or for entry into an apprenticeship in the motive power trades. Students will develop an awareness of environmental and societal issues related to transportation, and will learn about careers in the transportation industry and the skills and training required for them.

Prerequisite: None

TRANSPORTATION TECHNOLOGY**Grade 12 (College Prep)****TTJ4C1**

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; powertrains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

Prerequisite: TTJ3C1 or TTS3C1

TRANSPORTATION TECHNOLOGY: SMALL ENGINE AND RECREATIONAL EQUIPMENT**Grade 12 (College Prep)****TTS4C1**

Same as TTJ4C1, with an emphasis on motorcycles, ATV's and snowmobiles.

Prerequisite: TTS3C1