

Bear Creek Secondary School

2014-2015

Program of Study



Principal:

Mr. M. Abram

Vice-Principals:

Mr. P. Bowman
Ms. C. Baxter
Ms. K. Quesnel

Guidance Services Chair:

Ms. M. Hines

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

Welcome to Bear Creek Secondary School!

Developing a course calendar for a secondary school is an exciting, but challenging venture. We are committed to reaching every student to help them achieve a successful outcome from their secondary school experience. All students in consultation with their parents/guardians, teachers and counsellors, should select a program appropriate to their needs and aspirations.

What do you need to graduate from high school?

18 compulsory credits

Students must earn the following compulsory credits to obtain the Ontario Secondary School Diploma:

4	credits in English (1 credit per grade)*
3	credits in mathematics (1 credit in Grade 11 or 12)
2	credits in science
1	credit in Canadian history
1	credit in Canadian geography
1	credit in the arts
1	credit in health and physical education
1	credit in French as a second language
0.5	credit in career studies
0.5	credit in civics

In addition, students must complete:

✓	12 optional credits†
✓	40 hours of community involvement activities
✓	the provincial literacy requirement

Plus one credit from each of the following groups:

1	Group 1:
	<ul style="list-style-type: none"> English or French as a second language** a Native language
	<ul style="list-style-type: none"> a classical or international language social sciences and the humanities Canadian and world studies guidance and career education cooperative education***
	Group 2:
	<ul style="list-style-type: none"> health and physical education the arts business studies French as a second language** cooperative education***
1	Group 3:
	<ul style="list-style-type: none"> science (Grade 11 or 12) technological education French as a second language** computer studies cooperative education***

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

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

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

† The 12 optional credits may include up to 4 credits earned through approved dual credit courses.



My Tentative Educational Plan

18 Compulsory Courses (includes 1 from Group 1, 2, 3)		12 Optional Courses	
Grade 9	Grade 10	Grade 11	Grade 12
Year 1	Year 2	Year 3	Year 4
English	English	English	English
French			
Math	Math	Math Gr. 11 or 12	
Phys. Ed.			
Science	Science		
Geography	History		
	Civics/ Career Studies		
Total Credits _____	Total Credits _____	Total Credits _____	Total Credits _____

*Check diploma requirements on page 1 to ensure that all compulsory and option courses are covered.

Remember, you require a total of 30 credits to qualify for your OSSD



Academic Resource Programs

Support for students identified through an Identification, Placement and Review Committee (IPRC) is the first priority for the Resource area. The Special Needs Committee (SNC) also makes recommendations for resource support students on interim individual educational plans (IEP).

A wide variety of support is offered:

- Credit delivery
- Assistance to students with learning disabilities
- Remedial help in academic and specific skill areas
- Assistance in organizational and study skills
- Assistance for students encountering difficulties coping with the demands of secondary school and the traditional classroom setting
- Teacher resource support

All resource help is provided on a one-to-one basis or in a small group setting.

Substitutions for Compulsory Courses

Substitutions may be made for a limited number of compulsory credits, using courses that meet the compulsory credit requirement that are offered by the school. To meet individual student needs, principals may replace up to three compulsory courses (or the equivalent in half courses). Each substitution will be noted on the student's Ontario Student Transcript

The Arts

Dance

ATC101

Dance, Grade 9, Open

This course gives students the opportunity to explore their technical and compositional skills by applying the elements of dance and the tools of composition in a variety of performance situations. Students will generate movement through structured and unstructured improvisation, demonstrate an understanding of safe practices with regard to themselves and others in the dance environment, and identify the function and significance of dance within the global community.

Prerequisite: None

ATC201

Dance, Grade 10, Open

This course emphasizes the development of students' technique and creative skills relating to the elements of dance and the tools of composition in a variety of performance situations. Students will identify responsible personal and interpersonal practices related to dance processes and production, and will apply technologies and techniques throughout the process of creation to develop artistic scope in the dance arts.

Prerequisite: None

ATC3M1

Dance, Grade 11, University/ College Preparation

This course emphasizes the development of students' artistry, improvisational and compositional skills, and technical proficiency in global dance genres. Students will apply dance elements, techniques, and tools in a variety of ways, including performance situations; describe and model responsible practices related to the dance environment; and reflect on how the study of dance affects personal and artistic development.

Prerequisite: Dance, Grade 9 or 10, Open

ATC4M1

Dance, Grade 12, University/College Preparation

This course emphasizes the development of students' technical proficiency and fluency in the language of movement in global dance genres, and understanding of the dance sciences. Students will explain the social, cultural, and historical contexts of dance; apply the creative process through the art of dance in a variety of ways; and exhibit an understanding of the purpose and possibilities of continuing engagement in the arts as a lifelong learner.

Prerequisite: Dance, Grade 11 University/College Preparation

ATD3M1

Dance Composition, Grade 11, University/College Preparation

This course emphasizes the development of students' compositional and improvisational skills through creative movement. Students will demonstrate an understanding of the dance techniques and movement vocabularies of both Modern and Contemporary styles of dance utilizing the elements of dance and the creative process in composing individual movement pieces and participating in ensemble movement pieces. Students will also study the historical development of Modern and Contemporary dance, with a focus on innovators of these genres as well as their influence on dance in today's society.

Prerequisite: Dance, Grade 9 or 10, Open

ATD4M1

Dance Composition, Grade 12, University/College Preparation

This course builds on ATD3M1. It also focuses on the development of students' compositional and improvisational skills through creative movement. Students will further demonstrate an understanding of Modern and Contemporary styles of dance, not only by utilizing the elements of dance and the creative process, but also by composing and performing ensemble pieces. Students will also study the historical development of Modern and Contemporary dance, with a focus on the creative process and how the innovators of these genres came to create the pieces that made them influential.

Prerequisite: Dance, or Dance Composition, Grade 11, University/College Preparation

Dramatic Arts

ADA101

Drama, Grade 9, Open

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

Prerequisite: None

ADA201

Drama, Grade 10, Open

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

Prerequisite: None

ADA3M1

Drama, Grade 11, University/College Preparation

This course requires students to create and to perform in dramatic presentations. Students will analyse, 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 analyse the functions of playwrights, directors, actors, designers, technicians, and audiences.

Prerequisite: Drama, Grade 9 or 10, Open

ADA4M1

Drama, Grade 12, University/College Preparation

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

Prerequisite: Drama, Grade 11, University/College Preparation

Exploring and Creating the Arts

AEA401

Exploring and Creating the Arts, Grade 12, Open

This course offers students the opportunity to explore connections between dance, drama, media arts, music, and/or visual arts. Students will use the creative process individually and/or collaboratively to produce integrated art works that draw on various disciplines, and they will critically analyze art works and determine how interpreting these works affects their own development. Students will develop responsible practices that are transferable beyond the classroom. They will explore solutions to integrated arts challenges and discover that art is everywhere, influencing and reflecting society.

Prerequisite: None

Music

AMI101

Music, Instrumental, Grade 9, Open

This course emphasizes the creation and performance of music through the medium of Concert Band Instruments (Brass and Woodwind) for students with no previous experience reading standard musical notation 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.

AMU101

Music, Grade 9, Experienced Open

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

Note: This course is for students who have experience on a band instrument or experience reading standard musical notation.

AMI201

Music, Instrumental, Grade 10, Open

This course emphasizes the creation and performance of music at a level which continues from the knowledge and skills gained on their instrument in the AMI101 course. In addition, students will have an optional opportunity to complete 1 unit of guitar study, in addition to their band instrument, if they are interested. Students will develop musical literacy skills by using the creative and critical analysis process in compositions, 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.

Recommended: AMI101, or permission of the teacher

AMI3M1

Music, Grade 11, Instrumental, University/College Preparation

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

Prerequisite: Music, Grade 9 or 10, Open

Recommended: AMI201, or permission of the teacher

AMI4M1

Music, Instrumental, Grade 12, University/College Preparation

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

Prerequisite: Music, Grade 11, University/College Preparation

AMR201

Music, Repertoire, Grade 10, Open

The Music Repertoire Course (AMR 201) is an optional co-requisite with AMI 201. (ie. AMI 201 may be selected alone, but students may not select AMR 201 alone, it must be selected in conjunction with AMI 201). Students will examine a variety of different repertoire through participation in various ensembles within the school music program. This course will appear on a student's schedule during their lunch period, but each student will follow an individualized schedule, based on the ensembles they choose to participate in. Students will also have the opportunity to gain leadership knowledge and experience through a variety of means as a part of the course.

AMR3M1

Music, Repertoire, Grade 11, University/College Preparation

The Music Repertoire Course (AMR 3M1) is an optional co-requisite with AMI 3M1. (ie. AMI 3M1 may be selected alone, but students may not select AMR 3M1 alone, it must be selected in conjunction with AMI 3M1). Students will examine a variety of different repertoire through participation in various ensembles within the school music program. This course will appear on a student's schedule during their lunch period, but each student will follow an individualized schedule, based on the ensembles they choose to participate in. Students will also have the opportunity to gain leadership knowledge and experience through a variety of means as a part of the course.

AMR4M1

Music, Repertoire, Grade 12, University/College Preparation

The Music Repertoire Course (AMR 4M1) is an optional co-requisite with AMI 4M1. (ie. AMI 4M1 may be selected alone, but students may not select AMR 4M1 alone, it must be selected in conjunction with AMI 4M1). Students will examine a variety of different repertoire through participation in various ensembles within the school music program. This course will appear on a student's schedule during their lunch period, but each student will follow an individualized schedule, based on the ensembles they choose to participate in. Students will also have the opportunity to gain leadership knowledge and experience through a variety of means as a part of the course.

Guitar

AMG2O1

Music, Guitar, Grade 10, Open

This course emphasizes the creation and performance of music for guitar, for students with no previous experience. Students will develop musical literacy skills by using the creative and critical analysis process in compositions, 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. AN ACOUSTIC GUITAR MUST BE PROVIDED BY THE STUDENT, DAILY.

AMG3O1

Music, Guitar, Grade 11, Open

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

Recommended background: Music, Guitar, Grade 10, Open or Music, Instrumental, Grade 9, Open

Vocal Music

AMV1O1

Music, Vocal, Grade 9, Open

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

AMV2O1

Music, Vocal, Grade 10, Open

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis process in compositions, 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.

AMV3M1

Music, Grade 11, Vocal, University/College Preparation

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

Prerequisite: Vocal Music, Grade 9 or 10, Open

AMV4M1

Music, Vocal, Grade 12, University/College Preparation

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

Prerequisite: Vocal Music, Grade 11, University/College Preparation:

AMK3M1**Music, Piano Accompaniment, Grade 11, University/College Preparation**

This course is designed for students who have achieved at least a Conservatory Grade 6 level. The objectives of the Grade 11 curriculum are achieved while developing performance skills related to accompanying other musicians, both in rehearsal and in performance. Work for this course will be completed both during and outside of class time.

Requirement: Students interested in this course must first consult with one of the music teachers for placement.

AMK4M1**Music, Piano Accompaniment, Grade 12, University/College Preparation**

This course is the continuation of the Grade 11 Accompaniment course, for students with a high level of piano proficiency. The objectives of the Grade 12 curriculum are achieved while developing performance related skills to accompanying other musicians, both in rehearsal and in performance. Work for this course will be completed both during and outside of class time.

Prerequisite: Music, Piano Accompaniment, Grade 11, University/College Preparation

Visual Arts

AVI1O1**Visual Arts, Grade 9, Open**

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

AVI2O1**Visual Arts, Grade 10, Open**

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

AVI3O1**Visual Arts, Grade 11, Open**

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: Visual Arts, Grade 9 or 10 Open

AVI3M1**Visual Arts, Grade 11, University/College Preparation**

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 creating 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.

Prerequisite: Visual Arts, Grade 9 or 10, Open

AVI4M1**Visual Arts, Grade 12, University/College Preparation**

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

Prerequisite: Visual Arts, Grade 11, University/College Preparation

Digital Media

AWS1O1**Digital Media, Grade 9, Open**

With a focus on digital media (e.g. computer graphics, digital camera, scanner), this course offers an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various mediums through working with processes, techniques, and styles. Students will learn and use methods of analysis and criticism and characteristics of art.

AWS2O1**Digital Media, Grade 10, Open**

Using digital media (e.g. computer, digital camera, scanner, and multimedia) as well as some traditional techniques students will develop their artistic knowledge and skills. Student learning will include the analysis, appreciation, and production of media art.

Recommendation: Digital Media, Grade 9 Open

AWS3O1**Digital Media, Grade 11, Open**

Using digital media, (e.g. digital camera, computer graphics, photo-imaging software) students will create art works that explore a wide range of subject matter, and will evaluate art works, providing grounds for their aesthetic judgements. They will also examine historical and cultural contexts of Western art (including Canadian art) and art from various world cultures to support their study of specific media.

Prerequisite: Visual Arts, Grade 9 or 10, Open (AVI, AWS)

AWS3M1

Digital Media, Grade 11, University/College Preparation

This course focuses on digital media (e.g., digital camera, computer graphics, photo-imaging software). Students will have the opportunity to further develop their skills and knowledge in cyber arts. A wide range of subject matter will be explored through studio activities, and will strengthen their practical skills. Students will also analyse art works and study aspects of Western art history, as well as art forms from Canada and other parts of the world.

Prerequisite: Visual Arts, Grade 9 or 10, Open (AVI, AWS)

AWS4M1

Digital Media, Grade 12, University/College

Using a variety of technologies and processes (e.g. computer graphics, photo-imaging), students will produce a body of work demonstrating a personal approach. The production of interactive media art forms (e.g. interactive art installations, network art) will be explored. Students will analyse and evaluate cyber art works and will be required to maintain a portfolio of their art works.

Prerequisite: Digital Media, Grade 11, University/College Preparation

Yearbook

IDC401

Yearbook, Interdisciplinary Studies, Grade 12 Open

This course provides students with the opportunity to get involved in the production of a school yearbook. A number of areas will be explored to assist with this process such as photography, journalism, and graphic design. Students will also be expected to work outside of class hours to help ensure the yearbook is completed on time and will be expected to be an effective team member.

This course emphasizes the development of practical skills and knowledge to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Through individual and collaborative inquiry and research into contemporary issues, real-life situations, and careers, students will apply the principles and skills derived from the complementary subjects and disciplines studied, evaluate the reliability of information, and examine how information technology can be used safely, effectively, and legally. They will also learn how to select strategies to define problems, research alternative solutions, assess their thinking in reaching decisions, and adapt to change as they acquire new knowledge.

Prerequisite: None

Recommended: Digital literacy in the Windows XP environment and a strong background using Adobe Photoshop. Completion of Photography, Computer Arts and/or Communication Technology courses would be an asset.

IDC4U1

Yearbook, Interdisciplinary Studies, Grade 12 University Preparation

This course provides students with the opportunity to learn about the business aspect involved in the production of a school yearbook. A number of areas will be explored to assist with this process such as sales, promotion, advertising, fundraising, budgeting, editing and graphic design. Students will also be required to work outside of class hours to help ensure the yearbook is completed on time and will be expected to be the leaders in a team environment.

Students will develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. 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; and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will also assess their own cognitive and affective strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge.

Prerequisite: Any University or University/College Preparation course.

Recommended: Digital literacy in the Windows XP environment and a strong background using various computer software programs such as word processing, presentations, and desktop publishing.

Business Studies

Open the Doors... Explore the Possibilities... Participate in the Opportunities... Take Business Studies!

Business is everywhere and here at Bear Creek, you can explore how to develop a venture plan, how to market your ideas, how to account for your money, and how to be an effective manager. We can help you discover a career path where the possibilities are endless and business puts you on the right track to where you want to go!

Reminder: Students who have obtained **five (5) business credits** can apply for a **Business Endorsement Certificate** that will be given at commencement in their graduating year.

Introductory Business Courses

BTT101

Information and Communication Technology in Business, Grade 9, Open

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

BBI201

Introduction to Business, Grade 10 Open

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, business leadership, entrepreneurship and finance. The course builds a foundation for further studies in senior business courses and helps students develop the business knowledge and skills they will need in their everyday lives.

Accounting

BAF3M1

Financial Accounting Fundamentals, Grade 11, University/College Preparation

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

Prerequisite: None

Note: Competent math skills at the Grade 10 Academic or Applied level. Workbook Fee \$10.00 (optional)

BAT4M1

Financial Accounting Principles, Grade 12, University/College Preparation

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

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

Entrepreneurship

BDI3C1

Entrepreneurship: The Venture, Grade 11, College Preparation

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 associated with successful entrepreneurs.

Prerequisite: None

Note: This course is ideal for students who are thinking about running their own business in the future. They will begin to develop the skills required for the planning process such as finance, marketing, management and operations.

Marketing

BMI3C1

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

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

Prerequisite: None

Note: This course is ideal for students who want to pursue a career in advertising, promotion, sales, public relations and/or product development. Topics to be discussed will be relevant to a variety of industries such as retail, manufacturing, services, non-profit organizations, sports, and entertainment. Students will also have the opportunity to market an event or activity in the school.

Information and Communication Technology

BTA3O1

Information and Communication Technology: The Digital Environment, Grade 11, Open

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

Prerequisite: None

Note: Ideal course for students who have already taken BTT 1O1 and/or are interested in enhancing their computer skills to be more successful in a business environment.

Business Leadership

BOH4M1

Business Leadership: Management Fundamentals, Grade 12, University/College Preparation

This course focuses on the development of 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 and social responsibility are also emphasized.

Prerequisite: None

Note: This course is ideal for students interested in pursuing business at the post-secondary level and in their future, would like to work in senior management positions.

BOG4E1

Business Leadership: Becoming a Manager, Grade 12, Workplace Preparation

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 challenges of hiring, training and motivating employees, and complying with legal requirements.

Prerequisite: None

Note: This course is ideal for students who will be entering the work force after high school as they will explore job opportunities and connect with local career and employment centres.



IDP4U1

Business of Sport and Entertainment: Interdisciplinary Studies, Grade 12, University

Sports and Entertainment are some of the most competitive and dynamic industries in the business world. In this course, business concepts will be incorporated in a practical setting where hands-on learning is the focus. Our goal is to create excitement and generate spirit among our student body which will require the use of time both in and outside the class to complete projects. The course will mostly explore the role that marketing, management, and finance play in the success of sports and entertainment organizations and presentation skills will be enhanced as this is key in these industries. Entrepreneurship, media influences, current trends and possible careers will also be examined, including postsecondary institutions that specialize in these areas.

This course will help students develop the skills and knowledge required to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles of inquiry and research to effectively use a range of print, electronic and mass-media resources; to analyze historical innovations and exemplary research; and to investigate real-life situations as well as career opportunities in interdisciplinary endeavours. They will assess their own strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge. **Prerequisite: Any University or University/College Preparation Course**

Recommendation: Students should have successfully completed at least one business credit

Note: This would be ideal for students who are interested in pursuing Sports Administration, Recreation Leadership, Event Management, or any Marketing programs at the postsecondary level.

Canadian and World Studies

Economics

CIA4U1

Analysing Current Economic Issues, Grade 12 University Preparation

This course examines current national and global economic trends and policies from diverse perspectives. Students will explore the impact of choices that individuals and institutions, including governments, make in responding to local, national, and global economic issues such as globalization and global economic inequalities, trade agreements, national debt, taxation, social spending, and consumer debt. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate, and develop informed opinions about, current economic issues and to help them make reasoned economic decisions.

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

Geography

CGC1PB

Geography of Canada, Grade 9, Applied (Modified)

This course reviews and practices the essential geography mapping skills and explores Canada's distinct and diverse physical, human and economic characteristics.

Note: This modified applied course is available for students in the Locally Developed stream. This course should only be selected under the guidance of a Special Education teacher.

CGC1P1

Issues in Canadian Geography, Grade 9 Applied

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore a range of issues, including food and water supplies, competing land uses, and interactions with the natural environment, developing their awareness that issues that affect their lives are interconnected with issues in other parts of the world. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate choices related to sustainable living in Canada

Prerequisite: None

CGC1D1

Issues in Canadian Geography, Grade 9 Academic

This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live.

Prerequisite: None

CGF3M1

Forces of Nature: Physical Processes and Disasters, Grade 11 University/College Preparation

This course examines Earth's physical patterns and processes and how they create natural disasters and can contribute to human disasters. Students will explore how physical processes related to Earth's water, land, and air, as well as interactions between these systems, can affect the planet and its people. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate Earth's natural processes, to make predictions related to natural disasters, and to create plans to prepare for and/or respond to them.

Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied

CGG3O1

Travel and Tourism: A Geographic Perspective, Grade 11 Open

This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities.

Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied

CGW4U1

World Issues: A Geographic Analysis, Grade 12 University Preparation

This course looks at the global challenge of creating a more sustainable and equitable world. Students will explore a range of issues involving environmental, economic, social, and geopolitical interrelationships, and will examine governmental policies related to these issues. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate these complex issues, including their impact on natural and human communities around the world.

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

History

CHC2LL

History of Canada, Locally Developed, Grade 10

This course explores some of the events and experiences that have influenced the development of Canada's identity as a nation, from WW1 to present.

CHC2P1

Canadian History since World War I, Grade 10 Applied

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

Prerequisite: None

CHC2D1

Canadian History since World War I, Grade 10 Academic

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

Prerequisite: None

CHV2OH

Civics and Citizenship, Grade 10, Open

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

Prerequisite: None

CHA3U1

American History, Grade 11 University/College Preparation

This course traces the social, economic, and political development of the United States from colonial times to the present. Students will explore the historical context of key developments that shaped the United States, its identity and culture, and its role in the global community. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating forces in American history.

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

NDA3M1

Current Aboriginal Issues in Canada, Grade 11, University/College Preparation

This course focuses on existing and emerging issues of importance to Aboriginal peoples in Canada. Students will investigate issues related to identity, relationships among Aboriginal peoples and between Aboriginal peoples and other Canadians, sovereignty principles as presented by Aboriginal peoples, and the contemporary challenges posed by these issues. Students will also examine such topics as language preservation, the responsibilities of Aboriginal women and men, and the need for dialogue between Aboriginal and non-Aboriginal peoples.

Prerequisite: Canadian History in the Twentieth Century, Grade 10, Academic or Applied

CHT3O1

World History since 1900: Global and Regional Interactions, Grade 11 Open

This course focuses on major developments in world history from 1900 to the present. Students will explore the causes and consequences of global and regional conflicts as well as responses to social, economic, and political developments in various countries and regions. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating historical developments and events, including those that continue to affect people in various parts of the world.

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or a locally developed compulsory course (LDCC)

CHW3M1

World History to the End of the Fifteenth Century, Grade 11 University/College Preparation

This course explores the history of various societies around the world, from earliest times to around 1500 CE. Students will examine life in and the legacy of various ancient and pre-modern societies throughout the world, including those in, Africa, Asia, Europe, and the Americas. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras.

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

CHY4C1

World History since the Fifteenth Century, Grade 12 College Preparation

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world.

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

CHY4U1

World History since the Fifteenth Century, Grade 12 University Preparation

This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and assess societal progress or decline in world history.

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

Politics

CPW4U1

Canadian and World Politics, Grade 12 University Preparation

This course explores various perspectives on issues in Canadian and world politics. Students will explore political decision-making and ways in which individuals, stakeholder groups, and various institutions, including different levels of government, multinational corporations, and non-governmental organizations, respond to and work to influence domestic and international developments. Students will apply the concepts of political thinking and the political inquiry process to investigate current political policies, issues, and events, and to develop and communicate informed opinions about them.

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

Law

CLU3M1

Understanding Canadian Law, Grade 11 University/College Preparation

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use case studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws.

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

CLN4U1

Canadian and International Law, Grade 12 University Preparation

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop their understanding of the principles of Canadian and international law when exploring rights and freedoms within the context of topics such as religion, security, cyberspace, immigration, crimes against humanity, and environmental protection. Students will apply the concepts of legal thinking and the legal inquiry process when investigating these issues in both Canadian and international contexts, and they will develop legal reasoning skills and an understanding of conflict resolution in the area of international law.

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



CLN4C1

Legal Studies, Grade 12 College Preparation

This course provides a foundation for students who wish to pursue a career that requires an understanding of law. Students will explore the importance of law, analysing contemporary legal issues and their impact. They will investigate requirements for various law-related careers as well as legal responsibilities in the workplace. Students will apply the concepts of legal thinking and the legal inquiry process to investigate the role of law in a changing society and will develop conflict-resolution skills needed for negotiation.

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

Co-operative Education

One of the best ways to discover your career path is to select Cooperative Education. This program not only allows students bound for university, college or the workplace to earn credits, but it also offers students the opportunity to explore various career fields in a variety of subject areas such as:

The Arts - visual arts, theatre, music

Business - accounting, banking, retail, marketing, real estate

Canadian and World Studies - geography, the environment, law, travel & tourism

English - media, communications

Physical Education - physiotherapy, physical fitness, health, fire-fighting*, policing

Science - nursing*, dental assistant, veterinary assistant, pharmaceutical, technicians

Social Science and Humanities - teacher's assistant, day care, fashion, social work

Technology - auto, computers, photography, woodworking, welding, construction, heavy equipment operator

All Co-operative Education programs are based on a related course in which the student is enrolled or has successfully completed.

Cooperative Education includes a classroom component with pre-placement and integration activities, as well as a work placement component. The knowledge and skills acquired in the classroom are applied to out-of-school experiences following a personalized placement learning plan.

Types of Programs:

Students can apply to participate in four different types of programs:

- (1) **GWL302 - 2 Credit Cooperative Education Program:** “half day program” - morning or afternoon; students enrol in regular classes for half the day, and enrol in two credits of Co-op for the other half of the day;
- (2) **GWL304 - 4 Credit Cooperative Education Program:** “full day program”; students are enrolled in four credits in cooperative education.
- (3) **GLD204 - 4 Credit Heavy Equipment Cooperative Education Program:** “full day program”; students are enrolled in a specialized four credit program focusing on the heavy equipment industry. **(Note: Students must have 1 senior level technology credit. Extra fees are necessary to subsidize the cost of industry training that students will receive).**
- (4) **GLN404 - 4 Credit Community and Health Care Program:** “full day program”; Students are enrolled in a specialized four credit program focusing on careers in health care (i.e. dental, nursing, PSW) and community support care roles (i.e. ECE, Child & Youth Worker).
- (5) **GLD202 - 2-4 Credit Strides to Success Program:** “half day or full day program”; this specialized program is designed to help the student who may struggle with school. Students have the option of participating in individual and small group social skills, and/or literacy development programs. (Note: Some course requirements may be waived based on individual student circumstances.)

A maximum of 2 credits in cooperative education can count as compulsory credits within Groups 1, 2 and 3 (see OSSD requirements). Coop students interested in a career in the skilled trades may be able to start their apprenticeship early through OYAP (Ontario Youth Apprenticeship Program). See your Guidance Counsellor for more details.

Cooperative Education is a requirement of the Specialist High Skills Major (SHSM). Students enrolled in the Transportation SHSM are strongly encouraged to enrol in GLD204. (Heavy Equipment Co-op). Students enrolled in the Health and Wellness SHSM are strongly encouraged to enrol in GLN404 (Community and Health Care Co-op). See the SHSM section on our website or in this guide for further information.

Course Requirements:

- Available to all students in the Senior Division.
- Have completed the required credits necessary for placement.
- Maintained an acceptable attendance record over the previous year.
- Complete a Co-op Application Form (available in Guidance or Cooperative Education).
- Attend an interview prior to acceptance into the program.
- Attend an interview at the desired placement once accepted into the Cooperative Education program (Note: A Criminal Record Check may be required if working in law & security or with children. Some placements may require another set of application forms and are not guaranteed.)

How to Apply

- (1) Select Cooperative Education on your course option sheet.
- (2) Complete a Co-op Application Form and submit it with your Option Sheet.
- (3) Attend an interview arranged by the Cooperative Education teacher(s).

Industry-Standard Training:

Students may have an opportunity to receive training from a certified instructor in:

- WHMIS
- CPR/First Aid
- Fall Arrest
- Forklift
- Non-violent Crisis Intervention
- Service Excellence

Note: Students are responsible for their own transportation. They may also be required to provide their own personal protective equipment depending on the placement. A fee may apply to receive certification and/or participate in field trips related to their career of interest.

English

ENG1LL

English, Grade 9, Locally Developed

This course emphasizes the key reading, writing, oral communication and thinking skills students need for success in secondary school and in their daily lives. The program builds toward the grade 10 essential English course and works toward preparing students to enter the grade 11 course in English at the workplace level, as well as to complete the literacy test successfully. Course activities will help develop confidence and provide motivation to succeed in school and life.

ENG1P1

English, Grade 9, Applied

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

ENG1D1

English, Grade 9, Academic

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

ENG2LL**English, Grade 10, Locally Developed**

This course emphasizes the key reading, writing, oral communication and thinking skills students need for success in secondary school and in their daily lives. In particular, the program works towards preparing students to enter the Grade 11 Workplace Preparation course in English, and to complete the Ontario Secondary School Literacy Test successfully. Students read a variety of narrative and expository forms, poetry and drama, and practice the skills necessary for accurate spoken and written language. In particular, course activities will help develop confidence and self-esteem and provide motivation to succeed in school and life.

ENG2P1**English, Grade 10, Applied**

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

ENG2PM**English, Grade 10, Applied - Hockey Focus**

Hockey occupies a prominent place in the cultural identity of Canada and our youth, as evidenced by the wealth of hockey-centred stories, essays, poems, and novels published within our borders. This literary and media focus on Canada's national pre-occupation provides the basis for this course, which 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, literacy, and graphic texts with a focus on hockey 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.

ENG2D1**English, Grade 10, Academic**

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

ENG3E1**English, Grade 11, Workplace Preparation**

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

Prerequisite: English, Grade 10, Academic, Applied or Locally Developed

ENG3C1**English, Grade 11, College Preparation**

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

Prerequisite: English, Grade 10, Academic or Applied

ENG3U1**English, Grade 11, University Preparation**

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

Prerequisite: English, Grade 10, Academic

EMS3O1**Media Studies, Grade 11, Open**

This course emphasizes knowledge and skills that will enable students to understand media communication in the twenty-first century and to use media effectively and responsibly. Through analysing the forms and messages of a variety of media works and audience responses to them, and through creating their own media works, students will develop critical thinking skills, aesthetic and ethical judgement, and skills in viewing, representing, listening, speaking, reading, and writing.

Prerequisite: English, Grade 10, Academic or Applied

ENG4E1**English, Grade 12, Workplace Preparation**

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

Prerequisite: English, Grade 11, Workplace Preparation

ENG4C1**English, Grade 12, College Preparation**

This course emphasizes consolidation of literacy, communication and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts from various time periods, 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: English, Grade 11, College Preparation

ENG4U1

English, Grade 12, University Preparation

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

Prerequisite: English, Grade 11, University Preparation

Note: This is the core English credit that all university-bound students must take.

EWC4U1

The Writer's Craft, Grade 12, University Preparation

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

Prerequisite: English, Grade 11, University Preparation

French, Classical Studies and International Languages

French

FSF1PB

Core French, Grade 9, Applied (Modified)

This course is designed to help students develop an appreciation for the place of French and other languages and cultures in Canada. Through topics such as food, clothing, school, health, sports, and shopping, students extend basic listening and speaking skills and use supplied reading and writing as support.

Note: This modified applied course is recommended for students who have an IEP or who have been referred by the Grade 8 teacher and French teacher. This course is also suitable for students who did not fulfill all requirements in their elementary school French program.

FSF1P1

Core French, Grade 9, Applied

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 design a web page.

FSF1D1

Core French, Grade 9, Academic

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.

FSF2P1

Core French, Grade 10, Applied

This course emphasizes the further development of oral communication, reading, and writing skills using a broad-based theme such as adolescence. Students will expand their knowledge of French by studying a series of theme-related topics such as students' rights and responsibilities, relationships with peers and adults, and part-time jobs.

Prerequisite: Core French, Grade 9, Applied

FSF2D1

Core French, Grade 10, Academic

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

Prerequisite: Core French, Grade 9, Academic

FSF3O1

Core French, Grade 11, Open

This course draws on a broad theme, such as leisure activities, to develop oral communication, reading, and writing skills. Students will give presentations, read a selection of short stories and articles about Francophone cultures, and produce a variety of written assignments. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

Prerequisite: Core French, Grade 10, Academic or Applied

FSF3U1

Core French, Grade 11, University Preparation

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: Core French, Grade 10, Academic

FSF4O1

Core French, Grade 12, Open

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

Prerequisite: Core French, Grade 11, Open or University Preparation

FSF4U1

Core French, Grade 12, University Preparation

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: Core French, Grade 11, University Preparation

Latin

LVLAD1

Latin Classical Languages, Academic, Level 1

This course introduces students to the achievements of the classical world through the study of Latin or ancient Greek. Students will learn vocabulary and grammar essential for reading and translating classical texts. English is the language of instruction. Through a variety of enrichment activities, such as presentations, debates, and dialogues, students will explore such aspects of life in the ancient world as trade, commerce, education, entertainment, and social customs while improving their language skills.

LVLBU1

Latin Classical Languages, Level 2, University Preparation

This course provides students with opportunities to continue their exploration of the achievements of the ancient world through the study of Latin or ancient Greek. Students will read and translate more complex passages in the classical language and will learn the vocabulary and grammar essential for these activities. English is the language of instruction. Through a variety of methods, such as dramatizations, presentations, and hands-on activities, students will investigate aspects of the culture and beliefs of the ancient world, including science, religion, and customs.

Prerequisite: Latin, Classical Languages, Level 1, Academic

LVLBU1

Latin Classical Languages, Level 3, University Preparation

This course provides students with opportunities to further develop their knowledge of the achievements of the ancient world through the study of Latin. Students will read and translate a broad selection of classical prose and poetry and will learn the vocabulary and grammar essential for these activities. English is the language of instruction. Through a variety of enrichment activities, such as contests, seminars, and re-enactments, students will explore elements of civilization of the ancient world, such as engineering, architecture, politics, and literature.

Prerequisite: Latin Classical Languages, Level 2, University Preparation

Note: LVLBU1 is equivalent to a Grade 12 University Level course.

Classical Studies

LVV4U1

Classical Civilization, Grade 12, University Preparation

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

Prerequisite: English, Grade 10, Applied or Academic

Spanish

LWSBD1

Spanish International Languages, Level 1/2, Academic,

This is an introductory course.

This course provides students with the language learning experiences that will enable them to communicate in the language of study. Students will continue to develop and apply their speaking skills in a variety of contexts, and will participate in activities that will improve their reading comprehension and writing skills. They will also continue to explore aspects of the culture of countries where the language under study is spoken by taking part in community-sponsored events and activities involving both print and technological resources. Although students will continue to expand their vocabulary and repertoire of language structures, the language they will use at this level will still be simple.

LWSCU1

Spanish International Languages, Level 3, University Preparation

This course offers students opportunities to further develop their knowledge of the international language and to enhance their communication skills. Students will use increasingly sophisticated language in a variety of activities that will enable them to speak and write with clarity and accuracy. Students will also enhance their thinking skills through the critical study of literature, and continue to explore aspects of the culture of countries where the language is spoken through a variety of print and technological resources.

Prerequisite: Spanish, Level 2, Academic

LWSDU1

Spanish International Languages, Level 4, University Preparation

This course prepares students for university studies in the international language. Students will enhance their ability to use the language with clarity and precision, and will develop the language skills needed to engage in sustained conversations and discussions, understand, and evaluate information, read diverse materials for both study and pleasure, and write clearly and effectively. Students will also have opportunities to add to their knowledge of the culture of countries where the language is spoken through the use of community resources and computer technology.

Prerequisite: Spanish, Level 3, University Preparation

Note: LWSDU1 is equivalent to a Grade 12 University Level course.

Guidance and Career Education

GLC2OH

Career Studies, Grade 10, Open (.5 credit)

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

Note: This compulsory course is worth .5 credit. The second half credit comes from the compulsory Grade 10 Civics course (CHV2OH). Students must be successful in both halves of this course to qualify for their compulsory credit.

GPP301

Leadership and Peer Support, Grade 11, Open

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

Note: Students gain practical experience through classroom placement as a peer assistant. The students and teachers work together to find a suitable classroom placement.

GWL301

Designing Your Future, Grade 11, Open

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

Prerequisite: Career Studies, Grade 10, Open

IDC301

Link Crew Course, Grade 11, Open

Students taking this course must be active Link Crew Leaders for the entire 2014/2015 school year. This course teaches students how to act as mentors and in leadership roles as Link Crew Leaders. Students will work toward the goal of an increased sense of community, improved school climate and successful transition of new students to Bear Creek Secondary School. Students will design and implement activities for Grade 9 students; study group dynamics and develop skills in facilitation/teaching, planning, leadership, and communication; and apply these skills to their positions as Link Crew Leaders and in future leadership roles.

Outdoor Education

The Outdoor Education Program is designed to offer students the opportunity to experience activities in a natural environment setting. Students will develop various outdoor skills that will enhance both mental and physical well-being. Through experiential learning, the objectives of skill development, safety practices, and factual information are pursued, along with personal aspects of responsibility, teamwork, and self-awareness.

PAD20D - Outdoor Education, Grade 10, 1 credit

ALPPRA - Outdoor Education, Grade 12, 2 credits

This two credit course in Environmental Geography (CGR4MD) and Outdoor Education (PAD40D) is offered to both grade 11 and grade 12 students. Students selecting this course must have a strong desire to work outdoors and be willing to accept the challenge of working independently and in close cooperation with their classmates. Active participation in all aspects of the outdoor program will be required. Certifications in First Aid/CPR, ORCKA, GPS, and Safe Hiker Program will be offered. Some of the activities that may occur during the semester include, but are not limited to: camping, canoeing, mountain biking, hiking, tree-top trekking, geocaching, maple syrup production, dog sledding, and snowshoeing. **Note:** A maximum courses enhancement fee of \$600 is applicable for students participating in all excursions. Please note that participation in all excursions is not mandatory.

Health and Physical Education

PPL10M: Males

PPL10F: Females

Healthy Active Living Education, Grade 9, Open

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

PPL20M: Males

PPL20F: Females

Healthy Active Living Education, Grade 10, Open

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.

PAF20F: Females

Physical Education: Personal and Fitness Activities, Grade 10, Open

This course provides various fun and fitness activities that promote life-time fitness. Activities such as aerobic classes, step and weight training, skiing, skating, dance and body movement, and fitness games are all designed to make fitness enjoyable. Current health issues such as nutrition and weight control, personal style and care, and stress management are dealt with in this course. This introductory course is one to consider if fitness is your concern.

PPL30M: Males

PPL30F: Females

Healthy Active Living Education, Grade 11, Open

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

PAF301**Co-ed Personal and Fitness Activities, Grade 11, Open**

This co-educational course uses the fitness centre as home base with focus on the achievement and maintenance of a healthy lifestyle. Topics of study will include weight training principles, cardiovascular fitness, human anatomy, and nutrition. This course has been designed for the self-motivated student who seeks the opportunity to cross train for their chosen sport(s) or desires to improve their strength and fitness levels.

PAL301**Large Group Activities - Rugby/Football Focus, Grade 11, Open**

This course emphasizes regular participation in large-group activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness, physical competence, and safety and injury prevention. Students will also study the components of healthy teammate relationships, sport psychology, drug and alcohol abuse, and personal safety. The main focus of this course will be directed towards the sports of rugby/football. It will emphasize regular participation in a variety of fitness and skill activities, (e.g., strength training, cardio, endurance and flexibility training, accomplished through a wide range of methods) that are directly related to both field sports. Students will participate in activities designed to develop goal setting, communication and social skills.

PAI301**Individual/Small-Group Activities - Basketball and Volleyball Focus, Grade 11, Open**

This course emphasizes regular participation in small-group activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness, physical competence, and safety and injury prevention. Students will also study the components of healthy teammate relationships, sport psychology, drug and alcohol abuse, and personal safety. The main focus of this course will be directed towards the sports of both Basketball and Volleyball. It will emphasize regular participation in a variety of fitness and skill activities, (e.g., strength training, cardio, endurance and flexibility training, accomplished through a wide range of methods) that are directly related to both court sports. Students will participate in activities designed to develop goal setting, communication and social skills.

PAF401**Co-ed Personal and Fitness Activities, Grade 12, Open**

This co-educational course builds upon the introductory Personal Fitness course (PAF301). There will be continued focus on weight training principles with emphasis on design and implementation of a year round training program. The course involves cardiovascular training inside and outside the classroom. Written assignments may include the design of a year round training program and assignments on health and fitness related issues.

Note: It is strongly recommended that students take PAF301 prior to this course.

PPL401**Co-ed Healthy Active Living Education (Electives), Grade 12, Open**

This course focuses on the development of a personalized approach to active living through participation in a variety of sports and recreational activities that have a potential to engage students' interest throughout their lives. This course will use an elective format for activity selection. Some of the non-traditional activities may include: mountain biking, Nordic skiing, golf, and tennis. 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.

PPL40F**Female Healthy Active Living, Grade 12, Open**

This FEMALE ONLY 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, and personal safety.

PLF4C1**Recreation and Fitness Leadership, Grade 12, College Preparation**

This course focuses on the development of leadership and coordination skills related to recreational activities. Students will acquire the knowledge and skills required to plan, organize and implement recreational events. They will also learn how to promote the value of physical fitness, personal well being and personal safety to others through mentoring. The course will prepare students for college programs in recreational, leisure and fitness leadership. Students applying to this course must be willing to accept the challenge of working independently and in close cooperation with their classmates.

Prerequisite: Any Grade 11 or 12 Open course in Health and Physical Education

PSE4U1**Exercise Science, Grade 12, University Preparation**

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 and individual's participation in physical activity. The course prepares students for university programs in physical education, kinesiology, recreation and sports administration.

Prerequisite: Any Grade 11 University or University/College Preparation course in Science or any Grade 11 or 12 Open course in Health and Physical Education

Mathematics

MAT1LL

Math, Grade 9, Locally Developed

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Grade 10 Locally Developed course, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses.

The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on developing and consolidating key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

MFM1P1

Foundations of Mathematics, Grade 9, Applied

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 relationships, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Note: Successful completion of this course prepares students for Foundations of Mathematics, Grade 10, Applied. Learning through hands-on activities and the use of concrete examples is an important aspect of this course.

MPM1D1

Principles of Mathematics, Grade 9, Academic

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 relationship. They will also explore relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi step problems.

Note: Successful completion of this course prepares students for Principles of Mathematics, Grade 10, Academic or Foundations of Mathematics, Grade 10, Applied.

Learning through abstract reasoning is an important aspect of this course.

MAT2LL

Math, Grade 10, Locally Developed

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. This is the typical pathway for a student enrolled in Locally Developed Math.

The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

Prerequisite: A Grade 9 Mathematics credit

MFM2P1

Foundations of Mathematics, Grade 10, Applied

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

Prerequisite: Foundations of Mathematics, Grade 9, Applied or Principles of Mathematics, Grade 9, Academic

MPM2D1

Principles of Mathematics, Grade 10, Academic

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

Prerequisite: Principles of Mathematics, Grade 9, Academic

MEL3E1

Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation

This course enables students to broaden their understanding of mathematics as it is applied in important areas of day-to-day living. 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.

Prerequisite: Foundations of Mathematics, Grade 9, Applied or Principles of Mathematics, Grade 9, Academic or Math, Grade 10, Locally Developed

- MBF3C1**
Foundations for College Mathematics, Grade 11, College Preparation
 This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Foundations of Mathematics, Grade 10, Applied
- MCF3M1**
Functions and Applications, Grade 11, University/College Preparation
 This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
Prerequisite: Principles of Mathematics, Grade 10, Academic, or Foundations of Mathematics, Grade 10, Applied
Recommendation: Students enrolling from Grade 10 Applied course should only consider this level course if 80% or higher was achieved in previous course along with their teacher's recommendation.
- MCR3U1**
Functions, Grade 11, University Preparation
 This course introduces the mathematical concept of the function by extending students' experience with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
Prerequisite: Principles of Mathematics, Grade 10, Academic
- MEL4E1**
Mathematics for Work and Everyday Life, Grade 12, Workplace Preparation
 This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs, create household budgets, and prepare a personal income tax return; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Mathematics for Everyday Life, Grade 11, Workplace Preparation
- MAP4C1**
Foundations for College Mathematics, Grade 12, College Preparation
 This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.
Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation, or Functions and Applications, Grade 11, University/College Preparation
- MCT4C1**
Mathematics for College Technology, Grade 12, College Preparation
 This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs.
Prerequisite: Functions and Applications, Grade 11, University/College Preparation or Functions, Grade 11 University Preparation
- MDM4U1**
Mathematics of Data Management, Grade 12, University Preparation
 This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest.
Prerequisite: Functions and Applications, Grade 11, University Preparation, or Functions, Grade 11, University Preparation
- MHF4U1**
Advanced Functions, Grade 12, University Preparation
 This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.
Prerequisite: Functions, Grade 11, University preparation, or Mathematics for College Technology, Grade 12, College Preparation

MCV4U1

Calculus and Vectors, Grade 12, University Preparation

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

Prerequisite: Advanced Functions, Grade 12, University Preparation.

Science

SNC1LL

Science, Grade 9, Locally Developed

This course enables students to deepen their knowledge and understanding of the basic concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in science investigation; and to apply their knowledge and skills to everyday situations. Students conduct investigations into practical problems and issues related to cells and reproduction, the structure and properties of elements and compounds, static and current electricity, and astronomy and space exploration. A variety of hands-on activities assist students to acquire concepts. Students will use different reporting strategies to facilitate the development of communication skills.

SNC1P1

Science, Grade 9, Applied

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

Prerequisite: None

SNC1D1

Science, Grade 9, Academic

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the process 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.

SNC2P1

Science, Grade 10, Applied

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: Science, Grade 9, Academic or Applied

SNC2D1

Science, Grade 10, Academic

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

Prerequisite: Science, Grade 9, Academic or Applied

SVN3E1

Environmental Science, Grade 11 Workplace Preparation

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

SVN3M1

Environmental Science, Grade 11, University/College Preparation

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

Prerequisite: Science, Grade 10, Applied or Academic

SNC4M1

Science, Grade 12, University/College Preparation

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

Prerequisite: Science, Grade 10, Academic, or any Grade 11 University, University/College, or College Preparation course in Science

Note: Students pursuing a health science related occupation would benefit from this course.

SES4U1

Earth and Space Science, Grade 12, University Preparation

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

Prerequisite: Science, Grade 10, Academic

Biology

SBI3C1

Biology, Grade 11, College Preparation

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

Prerequisite: Science, Grade 10, Academic or Applied

SBI3U1

Biology, Grade 11, University Preparation

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

Prerequisite: Science, Grade 10, Academic

SBI4U1

Biology, Grade 12, University Preparation

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

Prerequisite: Biology, Grade 11, University Preparation

Note: It is strongly recommended that students have successfully completed Chemistry, Grade 11, University Preparation

Chemistry

SCH3U1

Chemistry, Grade 11, University Preparation

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: Science, Grade 10, Academic

SCH4U1

Chemistry, Grade 12, University Preparation

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

Prerequisite: Chemistry, Grade 11, University Preparation

SCH4C1

Chemistry, Grade 12, College Preparation

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

Prerequisite: Science, Grade 10, Academic or Applied

Physics

SPH3U1

Physics, Grade 11, University Preparation

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

Prerequisite: Science, Grade 10, Academic

Note: A good understanding of the concepts in Grade 10 Academic math is an important factor for success in this course.

SPH4U1

Physics, Grade 12, University Preparation

This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data relating to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.

Prerequisite: Physics, Grade 11, University Preparation

Note: A good understanding of the concepts in a Grade 11 University or 11 University/College math course is an important factor for success in this course.

SPH4C1

Physics, Grade 12, College Preparation

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

Prerequisite: Science, Grade 10, Academic or Applied

Social Science and Humanities

HIF101

Exploring Family Studies, Grade 9, Open

This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.

Prerequisite: None

HSG3M1

Gender Studies, Grade 11 University/College Preparation

This course enables students to explore the social construction of gender. Students will learn about the dynamic nature of gender roles and norms; sexism and power relations; and the impact of representations of women and men in the media, popular culture, and the arts. Students will analyse a range of gender equity issues, including gender-based violence and workplace equity, in both Canadian and global contexts. Students will develop and apply research skills and will design and implement a social action initiative relating to gender equity.

Prerequisite: None

HSE4M1

Equity and Social Justice: From Theory to Practice, Grade 12 University/College Preparation

This course enables students to develop an understanding of the theoretical, social, and historical underpinnings of various equity and social justice issues and to analyse strategies for bringing about positive social change. Students will learn about historical and contemporary equity and social justice issues in Canada and globally. They will explore power relations and the impact of a variety of factors on equity and social justice. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity or social justice issue.

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

HRT3M1

World Religions and Belief Traditions: Perspectives, Issues, and Challenges, Grade 11 University/College Preparation

This course provides students with opportunities to explore various world religions and belief traditions. Students will develop knowledge of the terms and concepts relevant to this area of study, will examine the ways in which religions and belief traditions meet various human needs, and will learn about the relationship between belief and action. They will examine sacred writings and teachings, consider how concepts of time and place influence different religions and belief traditions, and develop research and inquiry skills related to the study of human expressions of belief.

Prerequisite: None

HHD3O1

Dynamics of Human Relationships, Grade 11, Open

This course focuses on helping students understand the individual and group factors that contribute to healthy relationships. Students will examine the connections between their own self-concept and their interpersonal relationships. They will learn and practise strategies for developing and maintaining healthy relationships with friends, family, and community members, as well as with partners in intimate relationships. Students will use research and inquiry skills to investigate topics related to healthy relationships.

Prerequisite: None

HIP4O1

Personal Life Management, Grade 12 Open

This course focuses on preparing students for living independently and working successfully with others. Students will learn to manage their personal resources to meet their basic needs for food, clothing, and housing. They will also learn about their personal, legal, and financial responsibilities and develop and apply interpersonal skills in order to make wise and responsible personal and occupational choices. Students will apply research and inquiry skills while investigating topics related to personal life management. The course emphasizes the achievement of expectations through practical experiences.

Prerequisite: None

HPW3C1

Working With Infants and Young Children, Grade 11 College Preparation

This course prepares students for occupations involving children from birth to six years of age. Students will study theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with young children. Students will become familiar with occupational opportunities and requirements related to working with infants and young children. They will also have opportunities to develop research and critical-thinking skills as they investigate and evaluate current research about early childhood education.

Prerequisite: None

HPC3O1

Raising Healthy Children, Grade 11 Open

This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.

Prerequisite: None

HPD4C1

Working With School-Age Children and Adolescents, Grade 12 College Preparation

This course prepares students for occupations involving school-age children and adolescents. Students will study a variety of theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with older children. Students will become familiar with occupational opportunities and requirements related to working with older children and adolescents. They will develop research skills used in investigating child and adolescent behaviour and development.

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

HHS4C1

Families in Canada, Grade 12 College Preparation

This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada.

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

HHG4M1

Human Development throughout the Lifespan, Grade 12

University/College Preparation

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

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

HSP3U1

Introduction to Anthropology, Psychology, and Sociology, Grade 11 University Preparation

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

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

HSP3C1

Introduction to Anthropology, Psychology, and Sociology, Grade 11 College Preparation

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. Students will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.

Prerequisite: None

HSB4U1

Challenge and Change in Society, Grade 12 University Preparation

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

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

HZT4U1

Philosophy: Questions and Theories, Grade 12 University Preparation

This course enables students to acquire an understanding of the nature of philosophy and philosophical reasoning skills and to develop and apply their knowledge and skills while exploring specialized branches of philosophy (the course will cover at least three of the following branches: metaphysics, ethics, epistemology, philosophy of science, social and political philosophy, aesthetics). * Students will develop critical thinking and philosophical reasoning skills as they formulate and evaluate arguments related to a variety of philosophical questions and theories. They will also develop research and inquiry skills related to the study and practice of philosophy.

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

Fashion

HNL2O1

Clothing, Grade 10 Open

This course introduces students to the world of clothing. Students will gain knowledge about clothing and demonstrate basic skills associated with various techniques and technologies used to create garments and accessories. Students will learn about the functions of clothing and accessories and what clothing communicates about the wearer. They will learn how to enhance their personal wardrobe by assessing garment quality, developing shopping strategies, and developing an understanding of the advantages and disadvantages of various retail formats. Students will develop research skills as they investigate topics related to clothing.

Prerequisite: None

HNC3C1

Understanding Fashion, Grade 11 College Preparation

This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. In addition, students will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.

Prerequisite: None

HNB4M1

The World of Fashion, Grade 12 University/College Preparation

This course gives students the opportunity to explore the world of fashion. Students will learn how to create a fashion product using various tools, techniques, and technologies while developing their practical skills. Students will learn about various factors that affect the global fashion industry, the needs of specialized markets, and the impact of fibre and fabric production and care. In addition, they will learn about social and historical influences on fashion. Students will apply research skills when investigating aspects of the fashion world.

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

Food and Nutrition

HFN2O1

Food and Nutrition, Grade 9 or 10 Open

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

Prerequisite: None

HFA4C1

Nutrition and Health, Grade 12, College Preparation

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

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

HFL4E1

Food and Healthy Living, Grade 12 Workplace Preparation

This course focuses on the fundamental food needs of young adults. Students will learn how to stock a kitchen, make nutritious food choices, and accommodate the food needs of others. Through a range of practical experiences, they will develop skills needed in food preparation for personal use and for employment in the food industry. They will also learn about dining etiquette in different contexts and about responsible consumer practices. Students will use social science research methods to investigate issues related to food preparation and nutrition.

Prerequisite: None

HFA4U1

Nutrition and Health, Grade 12 University Preparation

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

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

Technological Education

Communications Technology

TGJ1O1

Exploring Communications Technology, Grade 9, Open

This course introduces students to concepts and skills in communications technology. Television/video and movie production, radio and audio production, print and graphic communications, photography, interactive new media and animation are studied. Students will complete a variety of projects that include: graphic design, stop motion animation, pinhole photography, electronic poster and web page development. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field.

TGJ2O1

Communications Technology, Grade 10, Open

This course introduces students to communications technology from a media perspective. Students will work in an activity based, project driven environment in the areas of television/video and video production, radio and audio production, graphic communications and publishing, photographic arts and animation. These may include computer-based projects such as creating videos, taking and editing photos, working with audio, developing animations with 3d Studio Max, 4 colour printing and web pages. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the fields.

Prerequisite: None

TGI3M1 ANIMATION & VIDEO GAME FOCUS

Communications Technology – Interactive New Media, Grade 11, University/College Preparation

This emphasis course requires students to complete a range of practical projects in the field of interactive media. Areas of study may include 3D animation using 3d Studio Max, web design, audio-video streaming and development, DVD interface design and authoring, and creating interactive multimedia products or services. Practical projects may include creating animated commercials, and special effects, game creation and development, interactive promotional and educational interfaces, and the integration of new media technologies and advancements. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.

Prerequisite: None

TGP3M1 PHOTOGRAPHY FOCUS

Communications Technology, Grade 11, University/College Preparation

In this emphasis course students will explore the exciting field of photojournalism. Black and white 35mm SLR photography, darkroom techniques, digital colour photography and the use of Photoshop techniques to enhance and, manipulate photos will provide the focus in the course. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.

TGV3M1

Communications Technology, TV and Video Production, Grade 11, University/College Preparation

This emphasis course requires students to complete a range of practical projects in the field of TV and video production. Practical projects may include shooting and producing a movie, video or television program, developing television advertising and commercials, creating video graphics and visual special effects, music videos and cartoon productions. Students will explore the many aspects of video production: produce direct, videotape, edit a music video and shoot a live to tape news broadcast. Students will shoot and produce the school's morning announcements and broadcast live each day.

TGI4M1 ANIMATION & VIDEO GAME FOCUS

Communications Technology, Interactive New Media, Grade 12, University/College

This emphasis course requires students to complete of range of practical projects in the field of interactive media. Areas of study may include 3D animation using 3d Studio Max, web design, audio-video streaming and development, DVD interface design and authoring, and creating interactive multimedia products or services. Practical projects may include designing web ready products, game creation, interactive promotional and educational interfaces, and the integration of new media technologies. Students will also expand their awareness of environmental and societal issues related to communications technology and explore postsecondary education, training, and career opportunities.

Prerequisite: Communications Technology, Grade 11, University/College: Animation Focus

TGP4M1 PHOTOGRAPHY FOCUS

Communications Technology, Grade 12, University/College Preparation

In this emphasis course students will explore the exciting field of photojournalism. Black and white, 35mm, SLR photography, darkroom techniques and digital colour photography will provide the focus in the course. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.

Prerequisite: Communications Technology, Grade 11 University/College: Photography Focus

TGJ4M1

Communications Technology Grade 12, University/College Preparation

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

Prerequisite: Communications Technology, Grade 11 or TV and Video Production, Gradel I University/College Preparation

Construction Technology

TCJ1O1

Exploring Construction Technology, Grade 9, Open

This course introduces students to concepts and skills in construction technology and technological design. Students will develop solutions to various design challenges and may explore plumbing, electrical and network wiring, masonry, heating/ cooling, carpentry, and woodworking. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field.

TCJ2O1

Construction Technology, Grade 10, Open

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

Prerequisite: None

TCJ3E1

Construction Technology, Grade 11, Workplace Preparation

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

Prerequisite: None

TCJ4E1

Construction Technology, Grade 12, Workplace Preparation

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

Prerequisite: Construction Technology, Grade 11, Workplace Preparation

TWJ3E1

Custom Woodworking, Grade 11, Workplace Preparation

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

Prerequisite: None

TWJ4E1

Custom Woodworking, Grade 12, Workplace Preparation

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

Prerequisite: Custom Woodworking, Grade 11, Workplace Preparation

Green Industries

THJ2O1

Green Industries, Grade 10, Open

This course introduces students to the various sectors of the green industries – agriculture, forestry, horticulture, floristry, and landscaping. Using materials, processes, and techniques commonly employed in these industries, students will participate in a number of hands-on projects that may include plant or animal propagation; production, maintenance, and harvesting activities; the development of floral or landscaping designs; and/or related construction activities. Students will also develop an awareness of environmental and societal issues related to green industry activities, learn about safe and healthy working practices, and explore secondary and postsecondary education and training pathways and career opportunities in the various industry sectors.

Prerequisite: None

Hospitality and Tourism

TFJ1O1

Exploring Hospitality and Tourism, Grade 9, Open

This course introduces students to concepts and skills related to hospitality and tourism, focusing on the areas of food handling, food preparation, the origins of foods, event planning, and local tourism. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field.

TFJ2O1

Hospitality and Tourism, Grade 10, Open

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

Prerequisite: None

TFB3E1

Hospitality and Tourism, Baker, Grade 11, Workplace Preparation

This course focuses on baked goods and pastry preparation, and hospitality and tourism activities, equipment, and facilities. Students will learn the principals of baking and a variety of techniques and skills, such as measuring and scaling, mixing methods, baking and decorating a variety of baked goods. Students will learn how to plan, manage, and promote activities; and use the necessary equipment. Throughout the course, they will learn the fundamentals of providing high-quality service and customer satisfaction. Students will also study the occupational health and safety standards and laws regulating the hospitality and tourism industry. Students will investigate the eight sectors of tourism and identify possible career paths.

Prerequisite: None

TFC3E1

Hospitality and Tourism, Cook/Food Preparation, Grade 11, Workplace Preparation

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

Prerequisite: None

TFB4E1

Hospitality and Tourism, Baker, Grade 12, Workplace Preparation

This course enables students to further develop knowledge and skills related to baked goods and pastry preparation, and hospitality and tourism activities, equipment, and facilities. Students will learn the principals of baking and a variety of techniques and skills, such as measuring and scaling, mixing methods, baking and decorating a variety of baked goods. Students will learn how to plan, manage, and promote activities; and use the necessary equipment. Throughout the course, they will learn the fundamentals of providing high-quality service and customer satisfaction. Students will expand their awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

Prerequisite: Hospitality and Tourism, Grade 11, Workplace Preparation

TFC4E1

Hospitality and Tourism, Cook/Food Preparation, Grade 12, Workplace Preparation

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

Prerequisite: Hospitality and Tourism, Grade 11, Workplace Preparation

Technological Design

TDJ2O1

Technological Design, Grade 10, Open

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 learn about secondary and postsecondary education and training leading to careers in the field.

Prerequisite: None

TDJ3O1

Technological Design and the Environment, Grade 11, Open

This course enables students to apply a systematic process for researching, designing, building, and assessing solutions to address specific human and environmental challenges. Through their work on various projects, students will explore broad themes that may include aspects of industrial design, mechanical design, architectural design, control system design, and/or apparel design. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary pathways leading to careers in the field.

Prerequisite: None

TDA3M1**Technological Design, Architectural Design, Grade 11, University/College Preparation**

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

TDA4M1**Technological Design, Architectural Design Grade 12, University/College Preparation**

This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem solving and communication skills, and explore career opportunities and the postsecondary education and training requirements for them.

Prerequisite: Technological Design, Grade 11, University/College Preparation

Transportation Technology

TTJ2O1**Transportation Technology, Grade 10, Open**

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

Prerequisite: None

TTJ3C1**Transportation Technology, Grade 11, College Preparation**

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

TTA3C1**Transportation Technology, Auto Service, Grade 11, College Preparation**

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

TTA4C1**Transportation Technology, Auto Service, Grade 12, College Preparation**

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: Transportation Technology, Grade 11, College Preparation or Transportation Technology, Auto Service, Grade 11, College Preparation

TTJ4C2**Transportation Technology, Grade 12, College Preparation**

This double credit course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; power trains; 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: Transportation Technology, Grade 11, College Preparation or Transportation Technology, Auto Service, Grade 11, College Preparation

Computer Technology

TEJ1O1**Exploring Computer Technology**

This exploratory course introduces students to concepts and skills in computer technology, which encompasses computer systems, networking, interfacing, and programming, as well as electronics and robotics. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

Prerequisite: None

TEJ2O1

Computer Technology, Grade 10, Open

This course introduces students to computer systems, networking, and interfacing, as well as electronics and robotics. Students will assemble, repair, and configure computers with various types of operating systems and application software. Students will build small electronic circuits and write computer programs to control simple peripheral devices or robots. Students will also develop an awareness of environmental and societal issues related to the use of computers, and learn about secondary and postsecondary pathways to careers in computer technology.

Prerequisite: None

TEJ3M1

Computer Engineering Technology, Grade 11, University/College Preparation

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about college and university programs leading to careers in computer engineering.

Prerequisite: None

TEJ4M1

Computer Engineering Technology, Grade 12, University/College Preparation

This course extends students' understanding of computer systems and computer interfacing with external devices. Students will assemble computer systems by installing and configuring appropriate hardware and software, and will learn more about fundamental concepts of electronics, robotics, programming, and networks. Students will examine environmental and societal issues related to the use of computers, and explore postsecondary pathways leading to careers in computer engineering and related fields.

Prerequisite: Computer Engineering Technology, Grade 11, University/College Preparation

Computer Studies

Computer and information science is more than running application programs and programming. Rather it relates to the ways in which computers represent conceptual objects and how computer systems allow those objects to interact. Computer and information science is the study of ways of representing objects and processes. It involves defining problems, analysing and designing solutions, and developing, testing, and maintaining programs. Computer and information science education is relevant for all students because it incorporates a broad range of transferable problem-solving skills and techniques. It combines logical thinking, creative design, synthesis, and evaluation, and also teaches generically useful skills in such areas as communication, time management, organization and teamwork. Computer and information science will prepare students for an increasingly technological world. A foundation in this discipline will introduce students to the excitement and opportunities afforded by this dynamic field and will begin to prepare them for careers in information technology.

ICS2O1

Introduction to Computer Studies, Grade 10, Open

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

Prerequisite: None

ICS3C1

Introduction to Computer Programming, Grade 11, College Preparation

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

Prerequisite: None

ICS3U1

Introduction to Computer Science, Grade 11, University Preparation

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

ICS4C1

Computer Programming, Grade 12, College Preparation

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: Introduction to Computer Programming, Grade 11, College Preparation

ICS4U1

Computer Science, Grade 12, University Preparation

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

Prerequisite: Introduction to Computer Science, Grade 11, University Preparation

Notes to Parents or Guardians

1. It is the **responsibility** of students to ensure they are earning credits that will meet their diploma requirements and career and post-secondary plans.
2. In addition to the brief descriptions of courses in this booklet parents may view detailed outlines of courses of study in the school office.
3. All courses will be offered on the condition of adequate enrollment. Usually this is determined based on student's selections on their option sheets submitted in February. It may also be necessary to limit the number of students in a course because of space, safety and other limitations.
4. University admission requires an O.S.S.D. along with a minimum of 6 university or university/college preparation courses in Grade 12. Students planning to pursue university should have the bulk of their high school courses at the academic, university and university/college prep level. Students are responsible for keeping themselves informed about entrance requirements to University or College by accessing Guidance Services.
5. Students who successfully complete a course, earning the credit, and then decide to repeat the course for upgrading, will only have the credit counted once toward the O.S.S.D.
6. All students must carry a full program timetable with four courses in each semester. They will not be permitted a study period in their timetable. Grade 12 students must carry a minimum of 6 courses in a year, but must have achieved 24 credits in order to have a study period.
7. Subjects at any level of difficulty may be modified to meet the needs of students identified as exceptional through the IPRC process.
8. **No student may add, drop or change a course without completing the proper documentation in the Guidance Office. No student is to assume that any change can or will take place until they have seen a counsellor.**