Chart Your Course

Course Descriptions and Prerequisites
Prerequisite Chart for The Arts

This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

**Dance**
- Grade 9, Open
  - ATC 1O

**Dance**
- Grade 10, Open
  - ATC 2O

**Drama**
- Grade 9, Open
  - ADA 1O

**Drama**
- Grade 10, Open
  - ADA 2O

**Media Arts**
- Grade 10, Open
  - ASM 2O

**Media Arts**
- Grade 11, Open
  - ASM 3O

**Music**
- Grade 9, Open
  - AMU 1O

**Music**
- Grade 10, Open
  - AMU 2O

**Visual Arts**
- Grade 9, Open
  - AVI 1O

**Visual Arts**
- Grade 10, Open
  - AVI 2O

**Integrated Arts**
- Grade 9 or 10, Open
  - ALC 1O, ALC 2O

**Exploring and Creating the Arts**
- Grade 11 or 12, Open
  - AEA 3O, AEA 4O
Dance

Dance, Grade 9, Open (ATC 1O)
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

Dance, Grade 10, Open (ATC 2O)
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

Dance, Grade 11, Open (ATC 3O)
This course emphasizes the development of students' movement vocabulary relating to global dance genres, and their understanding of the elements of dance and the tools of composition in a variety of performance situations. Students will research and explain how physical, intellectual, and artistic skills developed in dance can be applied in a wide range of careers. They will apply technologies and techniques throughout the process of creation and presentation, and reflect on how studies in the dance arts affect personal identity.

Prerequisite: None

Dance, Grade 11, University/College Preparation (ATC 3M)
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

Dance, Grade 12, University/College Preparation (ATC 4M)
This course emphasizes the development of students' technical proficiency, 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

Dance, Grade 12, Workplace Preparation (ATC 4E)
This course enables students to develop performance and interpersonal skills through the study of dance. Students will apply the elements of dance and the tools of composition to develop a physical vocabulary that can be used to create and communicate through dance. Students will research and explain how physical, intellectual, and artistic skills developed in the dance arts are transferable to a wide range of careers and workplace environments. They will develop an understanding of practices associated with healthy living, the benefits of self-discipline, and the importance of continuing engagement in the arts.

Prerequisite: Dance, Grade 11, Open
Drama – Focus for grades 9-12:
ATB Dance – Ballet
ATD Dance – Composition
ATE Dance – Northern European/Asian
ATF Dance – African
ATG Dance – English/Irish/Scottish
ATH Dance – History Development
ATI Dance – Indian/South Central Asian
ATJ Dance – Jazz
ATK Dance – Caribbean
ATL Dance – Central and South American
ATM Dance – Modern
ATN Dance – Aboriginal Peoples (North American)
ATO Dance – Pacific Rim/Asian
ATP Dance – Performance Practice
ATR **Dance – Hip Hop and Urban
ATS **Dance – Social Dance (Ballroom, Swing, Traditional forms)
ATT Dance – Tap
ATU Dance – Music Theatre
ATW Dance – Mediterranean/Middle Eastern
ATX Dance – French
ATZ *Dance – World Cultures

* New Course
** New Course title

NOTE: Workplace courses are offered in a comprehensive format that provides for the inclusion and combination of elements from a range of focus courses. As a result, there are no Grade 12 workplace (4E) courses offered in specific focus areas.

Drama

Drama, Grade 9, Open (ADA 1O)
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

Drama, Grade 10, Open (ADA 2O)
This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.
Prerequisite: None

Drama, Grade 11, Open (ADA 3O)
This course requires students to engage in dramatic processes and the presentation of dramatic works, and emphasizes the application of drama skills in other contexts and opportunities. Students will interpret and present works in a variety of dramatic forms, create and script original works, and critically analyse the processes involved in producing dramatic works. Students will develop a variety of skills related to collaboration and the presentation of dramatic works.
Prerequisite: None

Drama, Grade 11, University/College Preparation (ADA 3M)
This course requires students to create and 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

Drama, Grade 12, University/College Preparation (ADA 4M)
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

Drama, Grade 12, Workplace Preparation (ADA 4E)
This course requires students to create and present a variety of dramatic works relevant to the workplace. Students will develop character both through hands-on experience and project-based learning to build trust and collaborative skills and develop self-confidence. Students will also explore skills related to the study of drama that can be applied in the workplace.
Prerequisite: Drama, Grade 11, Open
The Arts

Drama – Focus for grades 9-12:
ADD Drama – Production
ADC Drama in the Community
ADB Drama – Music Theatre
ADV Drama – Film/Video

Drama – Focus for grades 11-12:
ADF Director’s Craft
ADG **Drama – Acting/Improvisation
ADP **Drama – Playwriting/Theatre Development
ADT Drama – Canadian Theatre

**New Course title

NOTE: Workplace courses are offered in a comprehensive format that provides for the inclusion and combination of elements from a range of focus courses. As a result, there are no Grade 12 workplace (4E) courses offered in specific focus areas.

Media Arts

Media Arts,
Grade 10, Open (ASM 2O)
This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works.

Prerequisite: None

Media Arts,
Grade 11, Open (ASM 3O)
This course enables students to create media art works using available and emerging technologies such as computer animation, digital imaging, video, and a variety of media. Students will explore the elements and principles of media arts, the connections between contemporary media art works and traditional art forms, and the importance of using responsible practices when engaged in the creative process. Students will develop the skills necessary to create and interpret media art works.

Prerequisite: None

Media Arts,
Grade 11, University/College Preparation (ASM 3M)
This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyse the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and community values.

Prerequisite: Media Arts, Grade 10, Open

Media Arts,
Grade 12, University/College Preparation (ASM 4M)
This course emphasizes the refinement of media arts skills through the creation of a thematic body of work by applying traditional and emerging technologies, tools, and techniques such as multimedia, computer animation, installation art, and performance art. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in either career or postsecondary education applications. Students will critically analyse the role of media artists in shaping audience perceptions of identity, culture, and community values.

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

Media Arts,
Grade 12, Workplace Preparation (ASM 4E)
This course focuses on a practical approach to a variety of media arts challenges specific to the interests of the student and provides students with opportunities to examine media arts in relationship to the world of work. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in postsecondary work experiences. Students will critically analyse the role of media artists in shaping audience perceptions of identity, culture, and community values, particularly within the context of the workplace.

Prerequisite: Media Arts, Grade 11, Open
Music

Music, Grade 9, Open (AMU 1O)
This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life.

Prerequisite: None

Music, Grade 10, Open (AMU 2O)
This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.

Prerequisite: None

Music, Grade 11, Open (AMU 3O)
This course develops students’ musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their life and their careers.

Prerequisite: None

Music, Grade 11, University/College Preparation (AMU 3M)
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

Music, Grade 12, University/College Preparation (AMU 4M)
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

Music, Grade 12, Workplace Preparation (AMU 4E)
This course provides students with the fundamental knowledge and skills needed to succeed in the music workplace. Students will, at a level consistent with previous experience, perform appropriate musical works. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, and market music presentations that reflect a broad spectrum of workplace contexts. In addition, students will explore ethical and safe practices related to music.

Prerequisite: Music, Grade 11, Open
The Arts

Music – Focus for grades 9-12:

AMB  Instrumental Music – Brass
AMC  Music for Creating
AMD  Electronic Music
AME  Small Ensemble
AMG  Guitar Music
AMH  Stage – Band Music
AMI  Instrumental Music – Band
AMJ  Vocal Jazz
AMK  Keyboard Music
AMM  Music and Computers
AMO  Instrumental Music – Orchestra
AMP  Instrumental Music – Percussion
AMQ  Steel Drum – Music
AMR  Repertoire
AMS  Instrumental Music – Strings
AMT  Music Theatre
AMV  Music – Vocal/Choral
AMW  Music – Woodwinds

NOTE: Workplace courses are offered in a comprehensive format that provides for the inclusion and combination of elements from a range of focus courses. As a result, there are no Grade 12 workplace (4E) courses offered in specific focus areas.

Visual Arts

Visual Arts, Grade 9, Open (AVI 1O)
This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.

Prerequisite: None

Visual Arts, Grade 10, Open (AVI 2O)
This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.

Prerequisite: None

Visual Arts, Grade 11, Open (AVI 3O)
This course focuses on studio activities in the visual arts, such as drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context.

Prerequisite: None

Visual Arts, Grade 11, University/College Preparation (AVI 3M)
This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emergent technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular artform (e.g. photography, video, computer graphics, information design).

Prerequisite: Visual Arts, Grade 9 or 10, Open

Visual Arts, Grade 12, University/College Preparation (AVI 4M)
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
Visual Arts, Grade 12, Workplace Preparation (AVI 4E)

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

Prerequisite: Visual Arts, Grade 11, Open

Visual Arts – Focus for grades 9-12:

AWA **Visual Arts – Crafts
AWC Visual Arts – Ceramics
AWD **Visual Arts – Visual Design
AWE Visual Arts – Information/Consumer Design
AWF Visual Arts – Industrial Design
AWG Visual Arts – Environmental Design
AWH Visual Arts – Interior Design
AWI **Visual Arts – Fashion and Textile Design
AWJ Visual Arts – Stage Design
AWK Visual Arts – Illustration
AWL Visual Arts – Drawing
AWM Visual Arts – Drawing and Painting
AWN Visual Arts – Painting
AWO Visual Arts – Printmaking
AWP Visual Arts – Sculpture
AWQ Visual Arts – Photography
AWR Visual Arts – Film/Video
AWS **Visual Arts – Digital Media
AWT Visual Arts – Non-Traditional
AWU **Visual Arts – Cultural/Historical Studies

**New Course title

NOTE: Workplace courses are offered in a comprehensive format that provides for the inclusion and combination of elements from a range of focus courses. As a result, there are no Grade 12 workplace (4E) courses offered in specific focus areas.

Integrated Arts

Integrated Arts, Grade 9 or 10, Open (ALC 1O, ALC 2O)

This course integrates two or more of the arts (dance, drama, media arts, music, and visual arts), giving students the opportunity to produce and present art works created individually or collaboratively. Students will demonstrate innovation as they learn and apply concepts, styles, and conventions unique to the various arts and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to integrated arts challenges.

Prerequisite: None

Exploring and Creating the Arts

Exploring and Creating the Arts, Grade 11 or 12, Open (AEA 3O, AEA 4O)

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 analyse 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
Prerequisite Chart for Business Studies

This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade(s)</th>
<th>Type</th>
<th>Code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Business</td>
<td>Grade 9 or 10, Open</td>
<td>Open</td>
<td>BBI 1O/2O</td>
</tr>
<tr>
<td>Financial Accounting Fundamentals</td>
<td>Grade 11, University/College</td>
<td>BAF 3M</td>
<td></td>
</tr>
<tr>
<td>Financial Accounting Principles</td>
<td>Grade 12, University/College</td>
<td>BAT 4M</td>
<td></td>
</tr>
<tr>
<td>Accounting Essentials</td>
<td>Grade 11, Workplace</td>
<td>Workplace</td>
<td>BAI 3E</td>
</tr>
<tr>
<td>Accounting for a Small Business</td>
<td>Grade 12, Workplace</td>
<td>Workplace</td>
<td>BAN 4E</td>
</tr>
<tr>
<td>Marketing: Goods, Services, Events</td>
<td>Grade 11, College</td>
<td>College</td>
<td>BMI 3C</td>
</tr>
<tr>
<td>Business Leadership: Management Fundamentals</td>
<td>Grade 12, University/College</td>
<td>BOH 4M</td>
<td></td>
</tr>
<tr>
<td>Marketing: Retail and Service</td>
<td>Grade 11, Workplace</td>
<td>Workplace</td>
<td>BMX 3E</td>
</tr>
<tr>
<td>Business Leadership: Becoming a Manager</td>
<td>Grade 12, Workplace</td>
<td>Workplace</td>
<td>BOG 4E</td>
</tr>
<tr>
<td>Entrepreneurship: The Venture</td>
<td>Grade 11, College</td>
<td>College</td>
<td>BDI 3C</td>
</tr>
<tr>
<td>Entrepreneurship: Venture Planning in an Electronic Age</td>
<td>Grade 12, College</td>
<td>College</td>
<td>BDV 4C</td>
</tr>
<tr>
<td>Entrepreneurship: The Enterprising Person</td>
<td>Grade 11, Open</td>
<td>Open</td>
<td>BDP 3O</td>
</tr>
<tr>
<td>International Business Fundamentals</td>
<td>Grade 12, University/College</td>
<td>BBB 4M</td>
<td></td>
</tr>
<tr>
<td>International Business Essentials</td>
<td>Grade 12, Workplace</td>
<td>Workplace</td>
<td>BBB 4E</td>
</tr>
<tr>
<td>Information and Communication Technology in Business</td>
<td>Grade 9 or 10, Open</td>
<td>Open</td>
<td>BTT 1O/20</td>
</tr>
<tr>
<td>Information and Communication Technology: The Digital Environment</td>
<td>Grade 11, Open</td>
<td>Open</td>
<td>BTA 3O</td>
</tr>
<tr>
<td>Information and Communication Technology: Multimedia Solutions</td>
<td>Grade 12, College</td>
<td>College</td>
<td>BTX 4C</td>
</tr>
<tr>
<td>Information and Communication Technology in the Workplace</td>
<td>Grade 12, Workplace</td>
<td>Workplace</td>
<td>BTX 4E</td>
</tr>
</tbody>
</table>
Introduction to Business, Grade 9 or 10, Open (BBI 1O, BBI 2O)
This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

Prerequisite: None

Information and Communication Technology in Business, Grade 9 or 10, Open (BTT 1O, BTT 2O)
This course introduces students to information and communication technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, and website design skills. Throughout the course, there is an emphasis on digital literacy, effective electronic research and communication skills, and current issues related to the impact of information and communication technology.

Prerequisite: None

Accounting

Financial Accounting Fundamentals, Grade 11, University/College Preparation (BAF 3M)
This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and current issues and ethics in accounting.

Prerequisite: None

Accounting Essentials, Grade 11, Workplace Preparation (BAI 3E)
This course introduces students to the accounting cycle of a service business. Students will use computer application software to record business transactions and to prepare financial statements. Students will also investigate banking and cash management, decision making, ethical behaviour, and career opportunities in the field of accounting.

Prerequisite: None

Financial Accounting Principles, Grade 12, University/College Preparation (BAT 4M)
This course introduces students to advanced accounting principles that will prepare them for post-secondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course further develops accounting methods for assets and introduces accounting for partnerships, corporations, and sources of financing.

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

Accounting for a Small Business, Grade 12, Workplace Preparation (BAN 4E)
This course further develops students’ understanding of the fundamentals of accounting by having them examine each component of the accounting cycle, with an emphasis on the merchandising business. Students will use computer application software to learn how accounting is practised in the workplace. Students will acquire an understanding of payroll systems, inventory, specialized journals, subsidiary ledgers, income tax reporting, and budgeting.

Prerequisite: Accounting Essentials, Grade 11, Workplace Preparation
Entrepreneurial Studies

Entrepreneurship: The Venture, Grade 11, College Preparation (BDI 3C)
This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a student-run school-based or summer business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.
Prerequisite: None

Entrepreneurship: The Enterprising Person, Grade 11, Open (BDP 3O)
This course examines the importance of enterprising employees in today’s changing business environment. Students will learn about the skills and attributes of enterprising employees, the distinguishing features of their work environments, and the challenges and rewards of becoming an enterprising person. Students will also have an opportunity to demonstrate and develop entering skills by planning and organizing a school or community event.
Prerequisite: None

Entrepreneurship: Venture Planning in an Electronic Age, Grade 12, College Preparation (BDV 4C)
This course provides students with the opportunity to develop and apply entrepreneurial skills through the creation of a venture plan that capitalizes on the potential of e-commerce. Students will research and identify an opportunity for a venture. They will then complete the components of a venture plan that includes a website.
Prerequisite: None

Information Technology

Information and Communications Technology: The Digital Environment, Grade 11, Open (BTA 3O)
This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or post-secondary studies.
Prerequisite: None

Information and Communication Technology: Multimedia, Solutions, Grade 12, College Preparation (BTX 4C)
This course provides students with the opportunity to apply their information and communication technology skills while working in a team environment. Through a project-based approach, students will have opportunities to integrate common business software applications and apply multimedia techniques. Students will further develop their understanding of electronic business and e-commerce environments. The skills acquired in this course will prepare students for success in post-secondary studies and in their future careers.
Prerequisite: Information and Communications Technology: The Digital Environment, Grade 11, Open

Information and Communication Technology in the Workplace, Grade 12, Workplace Preparation (BTX 4E)
This course provides students with the opportunity to further develop essential workplace skills in information and communication technology while working in a team environment. Using a project-based approach, students will focus on integrating software applications and applying multimedia software features. Students will expand their understanding of e-business and e-commerce environments and workplace ethics. This course will prepare students for a successful transition from secondary school to the workplace.
Prerequisite: Information and Communications Technology: The Digital Environment, Grade 11, Open
International Business

International Business Fundamentals, Grade 12, University/College Preparation (BBB 4M)
This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing, and management.

Prerequisite: Any university, university/college, or college preparation course in business studies, English, or Canadian and World Studies

International Business Essentials, Grade 12, Workplace Preparation (BBB 4E)
This course provides an introduction to international business. Students will explore the economic relationships that Canada has developed with other nations, and the impact of these relationships on productivity, prices, and variety of goods. This course also introduces students to a variety of career opportunities in international business.

Prerequisite: None

Marketing

Marketing: Goods, Services, Events, Grade 11, College Preparation (BMI 3C)
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

Marketing: Retail and Service, Grade 11, Workplace Preparation (BMX 3E)
This course focuses on marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing-related positions in the workplace.

Prerequisite: None

Organizational Studies

Business Leadership: Management Fundamentals, Grade 12, University/College Preparation (BOH 4M)
This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility will be emphasized throughout the course.

Prerequisite: Any university, university/college, or college preparation course in business studies, English, or Canadian and World Studies

Business Leadership: Becoming a Manager, Grade 12, Workplace Preparation (BOG 4E)
This course helps students prepare for managerial positions in their future careers. Students will focus on the development of core skills required to become a successful manager, including operations management, inventory control, marketing, financial planning, scheduling, and communication. Students will also explore the management challenges of hiring, training, and motivating employees, and complying with legal requirements.

Prerequisite: None
Prerequisite Chart for Canadian & World Studies

Geography

This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

The Americas: Geographic Patterns and Issues
Grade 11, University/College
CGD 3M

Physical Geography: Patterns, Processes and Interactions
Grade 11, University/College
CGF 3M

Any Grade 11 or 12 University or University/College Preparation Course in Canadian and World Studies, English or Social Sciences and Humanities

Geography of Canada
Grade 9, Academic
CGC 1D

Geography of Canada
Grade 9, Applied
CGC 1P

Canadian and World Issues: A Geographic Analysis
Grade 12, University
CGW 4U

World Geography: Human Patterns and Interactions
Grade 12, University
CGU 4U

Environment and Resource Management
Grade 12, University/College
CGR 4M

Geomatics: Geotechnologies in Action
Grade 12, University/College
CGO 4M

World Geography: Urban Patterns and Interactions
Grade 12, College
CGU 4C

Any Grade 11 or 12 College Preparation Course in Canadian and World Studies, English or Social Sciences & Humanities

Geographics: The Geographer’s Toolkit
Grade 11, Workplace
CGT 3E

Travel and Tourism: A Regional Geographic Perspective
Grade 11, Open
CGG 3O

Environmental and Resource Management
Grade 12, Workplace
CGR 4E

Revised Prerequisite Chart will be made available when provided by the Ministry.
Prerequisite Chart for Canadian & World Studies

History

This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

- **American History**
  Grade 11, University
  CHA 3U

- **World History to the 16th Century**
  Grade 11, University/College
  CHW 3M

- **World History**
  Grade 10, Academic
  CHC 2D

- **Canadian History Since World War I**
  Grade 10, Academic
  CHC 2D

- **Canadian History Since World War I**
  Grade 10, Applied
  CHC 2P

- **Civics**
  Grade 10, Open (half-credit)
  CHV 2O

- **Canadian History and Politics Since 1945**
  Grade 11, College
  CHH 3G

- **History Since 1900: Global and Regional Perspectives**
  Grade 11, Open
  CHT 3O

- **Adventures in World History**
  Grade 12, Workplace
  CHM 4E

- **Canadian History: Identity and Culture**
  Grade 12, University
  CHY 4U

- **World History: The West and the World**
  Grade 12, College
  CHY 4C

- **World History: The West and the World**
  Grade 12, University
  CHY 4U
Prerequisite Chart for Canadian & World Studies

Economics, Law and Politics

This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

**ECONOMICS**

- **The Individual and the Economy**
  - Grade 11, University/College
  - CIE 3M

- **Making Economic Choices**
  - Grade 11, Workplace
  - CIC 3E

**LAW**

- **Understanding Canadian Law**
  - Grade 11, University/College
  - CLU 3M

- **Understanding Canadian Law**
  - Grade 11, Workplace
  - CLU 3E

**POLITICS**

- **Canadian Politics and Citizenship**
  - Grade 11, Open
  - CPC 3O

Any Grade 11 or 12 University or University/College Preparation Course in Canadian and World Studies, English or Social Sciences and Humanities

- **Canadian History Since World War I**
  - Grade 10, Academic
  - CHC 2D

- **Canadian History Since World War I**
  - Grade 10, Applied
  - CHC 2P

- **Canadian and World Politics**
  - Grade 12, University
  - CPW 4U

- **Canadian and International Law**
  - Grade 12, University
  - CLN 4U

- **Assessing Current Economic Issues**
  - Grade 12, University
  - CIA 4U
Appendix A

Canadian and World Studies, Grades 9-12
Course Codes, Titles and Descriptions (Revised, 2012)

ECONOMICS

The Individual and the Economy, Grade 11
University/College Preparation CIE3M
This course explores challenges facing the Canadian economy as well as the implications of various responses to these challenges. Students will explore the economic role of business, labour, and government, as well as their own role as individual consumers and contributors, and how all of these influence stability and variability in the Canadian economy. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate the impact of economic decisions.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

Making Personal Economic Choices, Grade 12
Workplace Preparation CIC4E
This course enables students to develop their ability to make informed decisions about their use of money and other resources. Students will examine practical financial matters such as taxes, credit, and interest, as well as various economic issues, such as those related to black markets, fair trade, cooperatives, or cross-border shopping. They will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate how the choices they make regarding these issues may affect their personal economic well-being and that of others.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or a locally developed compulsory course (LDCC)

Analysing Current Economic Issues, Grade 12
University Preparation CIA4U
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

Issues in Canadian Geography, Grade 9
Academic CGC1D
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
Issues in Canadian Geography, Grade 9
Applied CGC1P
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

Regional Geography, Grade 11
University/College Preparation CGD3M
This course explores interactions between the land and people in a selected region and its interconnections with other regions of the world. Students will explore geographic issues related to the region’s environmental, economic, and social/cultural characteristics, including resource sustainability, import/export interrelationships, and living conditions. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate current regional patterns and trends and to predict future directions for the region and its partnerships.
Note: This course is developed and delivered with a focus, to be determined by the school, on the geography of a selected region or country of the world.
Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied

Forces of Nature: Physical Processes and Disasters, Grade 11
University/College Preparation CGF3M
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

Introduction to Spatial Technologies, Grade 11
Open CGT3O
This course enables students to develop practical skills associated with spatial technologies and to investigate related career opportunities. Students will develop their ability to use geographic information systems (GIS), global positioning systems (GPS), and remote sensing. They will apply the concepts of geographic thinking and the geographic inquiry process when conducting fieldwork, collecting and organizing data, and analysing spatial images such as different types of maps and aerial photographs.
Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied

Travel and Tourism: A Geographic Perspective, Grade 11
Open CGG3O
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
World Issues: A Geographic Analysis, Grade 12
University Preparation CGW4U
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

World Issues: A Geographic Analysis, Grade 12
College Preparation CGW4C
This course explores the global challenge of meeting the basic needs of all people while sustaining the natural environment. Students will examine global inequities, including those related to food, water, energy, and development, and will explore global issues through environmental, social, economic, and political lenses. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate a range of current geographic issues facing Canada and the world.
Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied

World Geography: Urban Patterns and Population Issues, Grade 12
University/College Preparation CGU4M
This course explores global population distribution, why people live where they do, and variations in their quality of life. Students will examine current population patterns and trends related to urbanization and their impact on human and natural systems. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate issues related to urban life and will propose courses of action aimed at enhancing the sustainability of cities around the world.
Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities

Living in a Sustainable World, Grade 12
Workplace Preparation CGR4E
This course examines the impact of human activity on the natural environment. Students will explore the use of natural spaces and resources and how planning decisions and consumer choices affect natural systems. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate practical solutions to environmental issues, enabling them to make more sustainable decisions at home and in the workplace.
Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied

The Environment and Resource Management, Grade 12
University/College Preparation CGR4M
This course explores interactions between the natural and human environment, with a particular focus on the impact of human activity on various ecosystems. Students will explore resource management and sustainability practices, as well as related government policy and international protocols. Applying the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, students will investigate the relationship between people and the natural environment and will propose approaches for developing more sustainable relationships, including environmentally responsible actions that support stewardship.
Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities
Spatial Technologies in Action, Grade 12
University/College Preparation CGO4M
This course provides a foundation for students who wish to pursue a career that requires the ability to use computer-based spatial technologies. Students will analyse and propose solutions to real-life issues related to spatial organization, such as determining transportation routes, the most appropriate location for community services, or potential conservation and preservation areas. Students will extend their ability to use geographic information systems (GIS), global positioning systems (GPS), and remote sensing and to create maps, charts, and graphs. Students will apply the concepts of geographic thinking and the geographic inquiry process to investigate various issues related to spatial organization.
Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities

HISTORY

Canadian History since World War I, Grade 10
Academic CHC2D
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

Canadian History since World War I, Grade 10
Applied CHC2P
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

Origins and Citizenship: The History of a Canadian Ethnic Group, Grade 11
Open CHE3O
This course focuses on the history of people who came to Canada from a specific country or region. Students will explore historical developments and events in the group’s country of origin, the factors that influenced their decision to immigrate, and their historical experiences in Canada. They will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the contributions of this group to Canadian identity and heritage.
Note: This course is developed and delivered with a focus, to be determined by the school, on the history of a specific ethnic group that now lives in Canada.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or a locally developed compulsory course (LDCC)
American History, Grade 11  
University/College Preparation CHA3U  
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

World History to the End of the Fifteenth Century, Grade 11  
University/College Preparation CHW3M  
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

World History since 1900: Global and Regional Interactions, Grade 11  
Open CHT3O  
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)

Canada: History, Identity, and Culture, Grade 12  
University Preparation CHI4U  
This course traces the history of Canada, with a focus on the evolution of our national identity and culture. Students will explore various developments and events, both national and international, from precontact to the present, and will examine various communities in Canada and how they have contributed to the development of Canadian identity and heritage. Students will develop their sense of Canada’s national identity and how and why it has changed throughout the country’s history. 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 the people, events, and forces that have shaped Canada.  
**Prerequisite:** Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities

World History since the Fifteenth Century, Grade 12  
University Preparation CHY4U  
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.
World History since the Fifteenth Century, Grade 12
College Preparation CHY4C
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: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities

Adventures in World History, Grade 12
Workplace Preparation CHM4E
This course examines significant developments and events in world history from earliest times to the present. Students will explore social, economic, and political forces in different times and places, and how technology, art, and religion have helped shape people’s lives and identities. Students will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating a variety of human experiences in world history.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or a locally developed compulsory course (LDCC)

Genocide: Historical and Contemporary Implications, Grade 11, University/College Preparation (CHG 38)
This course investigates examples of genocide in the twentieth and twenty-first centuries, including the Holocaust, Armenia, and Rwanda. Students will investigate the terms genocide, crimes against humanity, and war crimes and explore them through the lens of historical analysis. Students will examine identity formation and how “in groups” and “out groups” are created, including an analysis of how bias, stereotypes, prejudice, and discrimination impact on various groups. As the course unfolds students will be challenged to draw appropriate connections between the history of genocide and Canadian history and between the lives of the people they are investigating and their own lives. Students will use critical thinking skills to look at the themes of judgment, memory, and legacy and will evaluate the ways in which active citizens may empower themselves to stop future genocides. Throughout the course, students will gain an understanding of the role of perpetrator, victim, bystander, rescuer, opportunist, and resister.
Prerequisite: Canadian History Since World War I, Grade 10, Academic or Applied (Locally Developed Optional Course)

History of Africa and Introduction to Peoples of African Descent, Grade 11
Open (CAS 33)
This course investigates the history of African peoples from ancient times to the present and traces their influence throughout the Diaspora with a special focus on Canada, the Caribbean and the United States. Students will analyze diverse societies and cultures with particular regard to the social, economic and political structures and historical forces that form the foundation of these communities. They will examine the influence of selected individuals and groups in Africa and the Diaspora and the innovations, inventions and ideas that have emerged in these societies and profoundly influenced world history. Students will gain knowledge and understanding about these peoples, develop historical inquiry and research skills, apply these skills and understandings in their analysis of past and present developments and improve their communication skills in written, oral and visual formats.
Prerequisite: Canadian History Since World War I, Grade 10, Academic or Applied (Locally Developed Optional Course)
Understanding Canadian Law, Grade 11
University/College Preparation CLU3M
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

Understanding Canadian Law in Everyday Life, Grade 11
Workplace Preparation CLU3E
This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyberbullying, and the processing of criminal offences. Students will apply the concepts of legal thinking and the legal inquiry process, and will begin to develop legal reasoning skills and an understanding of Canadian law.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or a locally developed compulsory course (LDCC)

Canadian and International Law, Grade 12
University Preparation CLN4U
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

Legal Studies, Grade 12
College Preparation CLN4C
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: Civics and Citizenship, Grade 10,

POLITICS

Civics and Citizenship, Grade 10,
Open CHV2O
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

**Politics in Action: Making Change, Grade 11**  
**Open CPC3O**  
This course enables students to develop plans for change in their local, national, and/or global community. Students will explore various issues to determine where change is needed, and why. They will examine the effectiveness of various problem-solving strategies and the role of organizations and governments in relation to specific issues, and will apply this knowledge when determining appropriate approaches for promoting change. Students will apply the concepts of political thinking and the political inquiry process, develop a plan of action that addresses a specific issue, and advocate for change for the common good.

**Prerequisite:** Civics and Citizenship, Grade 10, Open

**Canadian and World Politics, Grade 12**  
**University Preparation CPW4U**  
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.
Prerequisite Charts for Classical Studies
& International Languages

These charts map out all the courses in the discipline and show the link between courses and the possible prerequisites for them. They do not attempt to depict all possible movements from course to course.

CLASSICAL STUDIES

- English
  Grade 10, Academic or Applied

- Classical Languages
  Level 1, Academic

INTERNATIONAL LANGUAGES

- International Languages
  Level 1, Academic

Notes:

Boards and schools may choose to offer their International Languages programs beginning at Level 1 or Level 2.

Codes will be assigned to identify courses for students who have no knowledge of the international language and courses for students who have some knowledge of the language.

Prerequisites for Level 2 International Languages, Academic or Open, will be determined by school boards, depending on the structure of their International Language program.
Classical Studies and International Languages, Grades 9–12
Course Codes, Titles, and Descriptions

The courses appearing in this section in red are effective September 2013 and replace ALL courses previously offered in this Curricular area.

Classical Studies

Classical Languages, Level 1 (Ancient Greek/Latin)
Academic LVGAD/LVLAD

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 adapted Classical texts. Although English is the language of instruction, students will develop language skills that will enable them to speak and read aloud in the Classical language at a beginner's level. Through a variety of activities, students will explore such aspects of life in the ancient world as trade, commerce, education, entertainment, and social customs. In addition, students will enhance their literacy skills through language study, and will make connections across the curriculum between the Classical world and the world around them.

Prerequisite: None

Classical Languages, Level 2 (Ancient Greek/Latin)
University Preparation LVGBU/ LVLBU

This course provides students with opportunities to continue their exploration of the achievements of the Classical world through the study of Latin or ancient Greek. Students will continue to expand their vocabulary and refine their grammatical knowledge by reading and translating more complex adapted selections in the Classical language. Although English is the language of instruction, students will further improve their ability to speak the Classical language. Students will explore such diverse aspects of Classical culture as science and technology, geography and the environment, religion, and social customs, while developing their ability to think critically and make connections across the curriculum between the Classical world and the world around them.

Prerequisite: Classical Languages, Level 1, Academic

Classical Languages, Level 3 (Ancient Greek/Latin)
University Preparation LVGCU/ LVLCU

This course provides students with opportunities to further develop their knowledge of the rich cultural legacy of the Classical world through the study of Latin or ancient Greek. Students will continue to increase their vocabulary and consolidate their grammatical knowledge by reading and translating a broad selection of adapted and original Classical texts. Although English is the language of instruction, students will continue to develop their proficiency in reading and speaking the Classical language. Students will engage in a variety of activities to strengthen their literacy and research skills and to enhance their ability to make connections between the Classical world and other societies.

Prerequisite: Classical Languages, Level 2, University Preparation
Classical Civilization, Grade 12
University Preparation LVV4U

This course introduces students to the rich cultural legacy of the Classical world and encourages them to make connections between antiquity and other societies and to their own personal experiences. Students will investigate such aspects of Classical culture as its mythology and literature, art, architecture, philosophy, science, and technology, as well as elements of the ancient Greek and Latin languages. By reading Classical authors in English translation and examining material culture brought to light through archaeology, students will enhance both their communication skills and their ability to think critically and creatively. In addition, they will be encouraged to be culturally sensitive, independent learners who appreciate the interconnectedness of ancient and modern societies and who will be able to apply this understanding to their future endeavours.

**Prerequisite:** English, Grade 10, Academic or Applied

---

**International Languages**

International Languages, Level 1
Academic LBAAD–LDOAD

This introductory course is designed to enable students to begin to develop competence in listening, speaking, reading, and writing in the language of study. Students will participate in interactive activities in which they can apply their language skills to communicate with native speakers of the language. They will explore aspects of culture in regions of the world where the language is spoken, including formal and informal forms of address, naming practices, family life and relationships, and celebrations.

**Prerequisite:** Determined by school boards, depending on the structure of their international languages program

International Languages, Level 1
Open LBAAO–LDOAO

This introductory course is designed to enable students to begin to develop competence in listening, speaking, reading, and writing in the language of study. Students will participate in interactive activities in practical situations in which they can apply their language skills to communicate with native speakers of the language. They will explore aspects of culture in regions of the world where the language is spoken, including formal and informal forms of address, naming practices, family life and relationships, and celebrations.

**Prerequisite:** Determined by school boards, depending on the structure of their international languages program

International Languages, Level 2
Academic LBABD–LDOBD

This course enables students to develop competence in listening, speaking, reading, and writing in the language of study. Students will continue to participate in interactive activities in which they can apply and develop their language skills to communicate with native speakers of the language. They will explore aspects of culture in regions of the world where the language is spoken, including social customs, food, sports and leisure activities, popular festivals, and music. Although students will expand their vocabulary and knowledge of linguistic elements, the language they will use at this level will still be simple.

**Prerequisite:** Determined by school boards, depending on the structure of their international languages program
International Languages, Level 2
Open LBABO–LDOBO

This course enables students to develop competence in listening, speaking, reading, and writing in the language of study. Students will continue to participate in interactive activities in practical situations in which they can apply and develop their language skills to communicate with native speakers of the language. They will explore aspects of culture in regions of the world where the language is spoken, including social customs, food, sports, popular festivals, and music. Although students will expand their vocabulary and knowledge of linguistic elements, the language they will use at this level will still be simple.
**Prerequisite:** Determined by school boards, depending on the structure of their international languages program

International Languages, Level 3
University Preparation LBACU–LDOCU

This course offers students opportunities to further develop competence and confidence in listening, speaking, reading, and writing in the language of study. Students will participate in interactive activities (e.g., discussions about literature, travel, shopping) in which they will further develop their knowledge of linguistic elements. They will continue to explore aspects of culture in regions of the world where the language is spoken, including fashion, historical figures, art, and architecture. Students will enhance their critical and creative thinking skills through reading diverse materials, including original literature, and will explore a variety of personal and professional contexts in which knowledge of the international language is required.
**Prerequisite:** International Languages, Level 2, Academic

International Languages, Level 3
Open LBACO–LDOC0

This course offers students opportunities to further develop competence and confidence in listening, speaking, reading, and writing in the language of study. Students will participate in interactive activities in a variety of practical situations in daily life (e.g., travel, shopping, contexts related to future employment) in which they will further develop their knowledge of linguistic elements. They will continue to explore aspects of culture in regions of the world where the language is spoken, including fashion and the arts. Students will enhance their critical and creative thinking skills through reading diverse materials, with an emphasis on real-life applications of the language, and will explore a variety of personal and professional contexts in which knowledge of the international language is required.
**Prerequisite:** International Languages, Level 2, Academic or Open

International Languages, Level 4
University Preparation LBADU–LDODU

This course prepares students for postsecondary studies in the international language being studied. Students will continue to refine and enhance their listening, speaking, reading, and writing skills in the language, with the goal of using these communication skills in a variety of personal, academic, and professional contexts. Using a wide variety of sources, including original texts in the language, students will consolidate their language skills as they use increasingly complex linguistic elements and language conventions. Students will also have opportunities to enrich their knowledge of aspects of culture in regions where the language is spoken, including issues related to popular culture, linguistic communities in Canada, literature, history, geography, and the arts.
**Prerequisite:** International Languages, Level 3, University Preparation
International Languages, Level 4
Open LBADO–LDODO

This course focuses on the consolidation of communication skills in the international language being studied that students can use in the business world or the workplace. Students will continue to develop their listening, speaking, reading, and writing skills in the language, with the goal of using these skills in a wide range of practical contexts. Using a variety of sources, students will refine their language skills as they use a few complex linguistic elements and language conventions. Students will also have opportunities to enrich their knowledge of aspects of culture in regions where the language is spoken, including linguistic communities in Canada, entertainment, politics, history, geography, and the arts.

**Prerequisite:** International Languages, Level 3, University Preparation or Open

**Sign Language**

American Sign Language and Deaf Culture, Level 1
Open LSLAO

This course provides hearing students with an introduction to American Sign Language (ASL) and Deaf culture. It is designed for students who have little or no knowledge of ASL. Students will learn basic sign language, useful sign vocabulary and expressions, specific grammatical features of ASL, communicative facial expressions and body language, and aspects of Deaf culture. Through a variety of communicative activities, students will develop receptive and expressive skills to enable them to exchange basic greetings, share personal information, identify others, and give simple directions. They will also learn conversational and cultural behaviours that would enable them to converse in ASL at a beginner's level with users of ASL who are deaf or hard of hearing.

**Prerequisite:** None
Prerequisite Charts for Computer Studies

**Introduction to Computer Studies,**
**Grade 10, Open (ICS 2O)**
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*

**Introduction to Computer Science,**
**Grade 11, University Preparation (ICS 3U)**
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*

**Introduction to Computer Programming,**
**Grade 11, College Preparation (ICS 3C)**
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*

**Computer Science,**
**Grade 12, University Preparation (ICS 4U)**
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*

**Computer Programming,**
**Grade 12, College Preparation (ICS 4C)**
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*
Prerequisite Charts for English

These charts map out all the courses in the discipline and show the links between courses and the possible prerequisites for them. They do not attempt to depict all possible movements from course to course.

**COMPULSORY COURSES**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Grade/Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Grade 9, Academic</td>
</tr>
<tr>
<td></td>
<td>ENG 1D</td>
</tr>
<tr>
<td>English</td>
<td>Grade 9, Applied</td>
</tr>
<tr>
<td></td>
<td>ENG 1P</td>
</tr>
<tr>
<td>English</td>
<td>Grade 9, LDCC</td>
</tr>
<tr>
<td></td>
<td>ENG 1L</td>
</tr>
</tbody>
</table>

**OPTIONAL COURSES**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Grade/Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadian Literature</td>
<td>Grade 11, University/College</td>
</tr>
<tr>
<td></td>
<td>ETC 3M</td>
</tr>
<tr>
<td>English</td>
<td>Grade 11, College</td>
</tr>
<tr>
<td></td>
<td>ENG 3C</td>
</tr>
<tr>
<td>English Media Studies</td>
<td>Grade 10, LDCC</td>
</tr>
<tr>
<td></td>
<td>ENG 2L</td>
</tr>
<tr>
<td>Presentation and Speaking</td>
<td>Grade 11, Open</td>
</tr>
<tr>
<td>Skills</td>
<td>EPS 3O</td>
</tr>
<tr>
<td>English</td>
<td>Grade 10, Academic</td>
</tr>
<tr>
<td></td>
<td>ENG 2D</td>
</tr>
<tr>
<td>English</td>
<td>Grade 10, Applied</td>
</tr>
<tr>
<td></td>
<td>ENG 2P</td>
</tr>
<tr>
<td>English</td>
<td>Grade 10, LDCC</td>
</tr>
<tr>
<td></td>
<td>ENG 2L</td>
</tr>
</tbody>
</table>

**Note:** Students who take the Grade 11 course English: Contemporary Aboriginal Voices (university, college or workplace preparation) may use the credit earned for this course to meet the Grade 11 English compulsory credit requirement.

**Note:** Dotted lines indicate prerequisites defined for compulsory courses in the upper chart.
Compulsory Courses

English, Grade 9, Academic (ENG 1D)
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.
Prerequisite: None

English, Grade 9, Applied (ENG 1P)
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.
Prerequisite: None

English, Grade 9, Locally Developed Compulsory (ENG 1L)
This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the Grade 10 LDCC Course.
The course is organized into strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts.
Students develop strategies and put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.
Prerequisite: None

English, Grade 10, Academic (ENG 2D)
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.
Prerequisite: English, Grade 9, Academic or Applied

English, Grade 10, Applied (ENG 2P)
This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course.
Prerequisite: English, Grade 9, Academic or Applied

English, Grade 10, Locally Developed Compulsory (ENG 2L)
In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, and in the English Grade 11 Workplace Preparation course.
The course is organized into strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts.
Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.
Prerequisite: A Grade 9 English credit
English,
Grade 11, University Preparation  (ENG 3U)
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

English,
Grade 11, College Preparation  (ENG 3C)
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, Applied

English,
Grade 11, Workplace Preparation  (ENG 3E)
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, Applied

English,
Grade 12, University Preparation  (ENG 4U)
This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace.

Prerequisite: English, Grade 11, University Preparation

English,
Grade 12, College Preparation  (ENG 4C)
This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace.

Prerequisite: English, Grade 11, College Preparation

English,
Grade 12, Workplace Preparation  (ENG 4E)
This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.

Prerequisite: English, Grade 11, Workplace Preparation
Ontario Secondary School Literacy Course, Grade 11/12, Open (OLC 4O)
This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informal, narrative and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.

Eligibility requirement: Students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once are eligible to take the course. (Students who have already met the literacy requirement for graduation may be eligible to take the course under special circumstances at the discretion of the principal.)

Optional Courses

Literacy Skills, Grade 10, Open (ELS 20)
This course is designed to help students strengthen essential reading and writing skills, providing them with the extra literacy support they need in order to graduate. Students will read informational, graphic, and literary texts, with a focus on locating information, identifying main ideas and supporting details, building vocabulary, and consolidating skills in the application of key comprehension strategies. The course will also help students develop core learning strategies.

Prerequisite: None

Canadian Literature, Grade 11, University/College Preparation (ETC 3M)
This course emphasizes the study and analysis of literary texts by Canadian authors for students with a special interest in Canadian literature. Students will study the themes, forms, and stylistic elements of a variety of literary texts representative of various time periods and of the diverse cultures and regions of Canada, and will respond personally, critically, and creatively to them.

Prerequisite: English, Grade 10, Academic or Applied

Media Studies, Grade 11, Open (EMS 3O)
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

Presentation and Speaking Skills, Grade 11, Open (EPS 3O)
This course emphasizes the knowledge and skills required to plan and make effective presentations and to speak effectively in both formal and informal contexts, using such forms as reports, speeches, debates, panel discussions, storytelling, recitations, interviews, and multimedia presentations. Students will research and analyse the content and characteristics of convincing speeches and the techniques of effective speakers; design and rehearse presentations for a variety of purposes and audiences; select and use visual and technological aids to enhance their message; and assess the effectiveness of their own and others’ presentations.

Prerequisite: English, Grade 10, Academic or Applied

Studies in Literature, Grade 12, University Preparation (ETS 4U)
This course is for students with a special interest in literature and literary criticism. The course may focus on themes, genres, time periods, or countries. Students will analyse a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project.

Prerequisite: English, Grade 11, University Preparation
The Writer’s Craft,  
Grade 12, University Preparation  (EWC 4U)
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

Studies in Literature,  
Grade 12, College Preparation  (ETS 4C)
This course is for students with a special interest in literature. The course may focus on themes, genres, time periods, or countries. Students will study a variety of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also investigate critical interpretations and complete an independent study project.

*Prerequisite: English, Grade 11, College Preparation

The Writer’s Craft,  
Grade 12, College Preparation  (EWC 4C)
This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers.

*Prerequisite: English, Grade 11, College Preparation

Business and Technological Communication,  
Grade 12, Open  (EBT 4O)
This course emphasizes practical writing and communication skills that are needed in the world of business and technology. Students will analyse the characteristics of effective models of business and technical communications; gather information to write reports, business letters, memos, manuals, instructions, and brochures; and integrate graphics and text, using technology appropriately for formatting and special effects. They will also make a number of oral and visual presentations.

*Prerequisite: English, Grade 11, University Preparation, College Preparation, or Workplace Preparation
Prerequisite Charts for English as a Second Language and English Literacy Development

The chart below shows how most students may progress through their ESL and/or ELD courses and into mainstream English courses. Not all students will follow this sequence exactly, and individual students may vary in the rate at which they progress through the levels.
English as a Second Language

English as a Second Language, Level 1, Open (ESL AO)
This course builds on students’ previous education and language knowledge to introduce the English language and help students adjust to their new cultural environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes; use basic English language structures and simple sentence patterns in short conversations; read short adapted texts; and write phrases and short sentences. The course also provides students with the knowledge and skills they need to begin to adapt to their new lives in Canada.

Prerequisite: None

English as a Second Language, Level 2, Open (ESL BO)
This course expands students’ listening, speaking, reading, and writing skills in English for everyday and academic purposes. Students will participate in conversations, in structured situations, on a variety of familiar and new topics; link English sentences to compose paragraphs; read a variety of texts designed or adapted for English language learners; and expand their knowledge of English grammatical structures and sentence patterns. The course also supports students’ continuing adaptation to the Ontario school system by expanding their cultural knowledge of their new province and country.

Prerequisite: English as a Second Language, Level 1 or equivalent

English as a Second Language, Level 3, Open (ESL CO)
This course extends students’ skills in listening, speaking, reading, and writing in English for a variety of everyday and academic purposes. Students will make short classroom presentations; read a variety of adapted and original texts in English; and write using a variety of forms of text. Students will also expand their academic vocabulary and their study skills to facilitate the transition to the mainstream school program. This course also introduces students to the rights and responsibilities inherent in Canadian citizenship, and to a variety of current Canadian issues.

Prerequisite: English as a Second Language, Level 2 or equivalent*

English as a Second Language, Level 4, Open (ESL DO)
This course prepares students to use English with increasing fluency and accuracy in classroom and social situations and to participate in Canadian society as informed citizens. Students will develop the reading, writing, and oral presentation skills required for success in all school subjects. They will study and interpret a variety of grade-level texts; extend listening and speaking skills through participation in discussions and seminars; write narratives, articles, and summaries in English; and respond critically to various print and media texts.

Prerequisite: English as a Second Language, Level 3 or equivalent*

English as a Second Language, Level 5, Open (ESL EO)
This course provides students with the skills and strategies they need to make the transition to college and university preparation courses in English and other secondary school disciplines. Students will be encouraged to develop independence in a range of academic tasks. They will participate in debates and lead classroom workshops; read and interpret literary works and academic texts; write essays, narratives, and reports; and apply a range of learning strategies and research skills effectively. Students will further develop their ability to respond critically to print and media texts.

Prerequisite: English as a Second Language, Level 4 or equivalent*

* “Equivalent” may be an equivalent course of study completed in another province in Canada or in another country, or a proficiency level determined through initial assessment.
English Literacy Development

English Literacy Development, Level 1, Open (ELD AO)
This course is intended for English language learners who have had limited access to schooling and thus have significant gaps in their first-language literacy skills. Students will use basic listening and speaking skills to communicate in English for everyday purposes; develop readiness skills for reading and writing; begin to read highly structured texts for everyday and school-related purposes; and use basic English language structures and sentence patterns in speaking and writing. The course will also help students become familiar with school routines and begin to adapt to their new lives in Canada.

Prerequisite: None

English Literacy Development, Level 2, Open (ELD BO)
This course is intended for English language learners who have had limited access to schooling and thus have gaps in their first-language literacy skills. Students will use their developing listening and speaking skills to communicate in English; develop reading strategies to understand a variety of simple texts; produce simple forms of writing; apply increasing knowledge of English grammatical structures; expand their vocabulary; and develop fundamental study skills. The course will also provide opportunities for students to use school and community resources and build their cultural knowledge of Canada.

Prerequisite: English Literacy Development, Level 1 or equivalent*

English Literacy Development, Level 3, Open (ELD CO)
This course builds on students’ growing literacy and language skills and extends their ability to communicate in English about familiar and school-related topics. Students will improve their literacy skills through a variety of contextualized and supported reading and writing tasks; distinguish between fact and opinion in short written and oral texts; complete short guided-research projects; make brief oral presentations; and engage in a variety of co-operative learning activities. The course will also enable students to further develop their study skills and personal-management strategies, and broaden their understanding of Canadian culture and citizenship.

Prerequisite: English Literacy Development, Level 2 or equivalent*

English Literacy Development, Level 4, Open (ELD DO)
This course extends students’ literacy skills and ability to apply learning strategies effectively, and teaches them how to use community resources to enhance lifelong learning. Students will engage in a variety of guided reading, writing, and viewing tasks; use media and community resources to complete guided-research projects; and communicate for a variety of academic and everyday purposes with increasing accuracy and fluency. This course further develops the critical thinking skills students will need to participate in Canadian society as informed citizens.

Prerequisite: English Literacy Development, Level 3 or equivalent*

English Literacy Development, Level 5, Open (ELD EO)
This course provides students with skills and strategies that will allow them to continue their education successfully and pursue pathways to employment that may involve apprenticeship and/or co-operative education programs. Students will develop greater independence in reading and writing, as well as in interpreting media texts; use a range of media and community resources; and communicate both orally and in writing on a variety of topics. This course also expands the critical thinking skills students will need in order to contribute to Canadian society as informed citizens.

Prerequisite: English Literacy Development, Level 4 or equivalent*

* “Equivalent” may be an equivalent course of study completed in another province in Canada or in another country, or a proficiency level determined through initial assessment.
**Prerequisite Chart for French as a Second Language**

<table>
<thead>
<tr>
<th>Core French</th>
<th>Core French</th>
<th>Core French</th>
<th>Core French</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 9, Academic</td>
<td>Grade 10, Academic</td>
<td>Grade 11, University</td>
<td>Grade 12, University</td>
</tr>
<tr>
<td>FSF 1D</td>
<td>FSF 2D</td>
<td>FSF 3U</td>
<td>FSF 4U</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core French</th>
<th>Core French</th>
<th>Core French</th>
<th>Core French</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 9, Applied</td>
<td>Grade 10, Applied</td>
<td>Grade 11, Open</td>
<td>Grade 12, Open</td>
</tr>
<tr>
<td>FSF 1P</td>
<td>FSF 2P</td>
<td>FSF 3O</td>
<td>FSF 4O</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Extended French</th>
<th>Extended French</th>
<th>Extended French</th>
<th>Extended French</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 9, Academic</td>
<td>Grade 10, Academic</td>
<td>Grade 11, University</td>
<td>Grade 12, University</td>
</tr>
<tr>
<td>FEF 1D</td>
<td>FEF 2D</td>
<td>FEF 3U</td>
<td>FEF 4U</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>French Immersion</th>
<th>French Immersion</th>
<th>French Immersion</th>
<th>French Immersion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 9, Academic</td>
<td>Grade 10, Academic</td>
<td>Grade 11, University</td>
<td>Grade 12, University</td>
</tr>
<tr>
<td>FIF 1D</td>
<td>FIF 2D</td>
<td>FIF 3U</td>
<td>FIF 4U</td>
</tr>
</tbody>
</table>

**Notes:**

- The prerequisite for Grade 9 Extended French is the elementary Extended French program or the elementary French Immersion program or equivalent.

- The prerequisite for Grade 9 French Immersion is the elementary French Immersion program or equivalent.

Students who have successfully completed elementary Extended French or French Immersion programs and do not wish to pursue further studies in these programs should be considered for advanced placement in the Core French program, if they demonstrate the necessary knowledge and skills.
French as a Second Language, Grades 9–12
(Core, Extended, and Immersion)
Course Codes, Titles, and Descriptions

The courses appearing in this section in red are effective September 2013 and replace ALL courses previously offered in this Curricular area.

Core French

Core French, Grade 9
Academic   FSF1D
This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will continue to develop language knowledge and skills by using language-learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop the skills necessary to become life-long language learners.
Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent

Core French, Grade 9
Applied   FSF1P
This course provides opportunities for students to communicate and interact in French in structured situations on everyday topics and to apply their knowledge of French in everyday situations. Students will continue to develop language knowledge and skills introduced in the elementary Core French program, through practical applications and concrete examples, and will use creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop the skills necessary to become life-long language learners.
Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent

Core French, Grade 9
Open   FSF1O
This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600 hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings, and will develop fundamental communication skills through discussing situations and issues that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary to become life-long language learners.
Prerequisite: None

Core French, Grade 10
Academic FSF2D
This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will continue to develop the skills necessary to become life-long language learners.
Prerequisite: Core French, Grade 9, Academic or Applied
Core French, Grade 10

Applied   FSF2P
This course provides opportunities for students to communicate in French about everyday matters and topics of personal interest in real-life situations. Students will exchange information, ideas, and opinions with others in structured, guided, and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills through the consolidation of language-learning strategies for interpreting texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will continue to develop the skills necessary to become life-long language learners.

Prerequisite: Core French, Grade 9, Academic or Applied

Core French, Grade 10

Open   FSF2O
This course provides opportunities for students to speak French in guided and structured interactive settings. Students will communicate about matters of personal interest and familiar topics through listening, speaking, reading, and writing in real-life situations, using print, oral, visual, and electronic texts. Students will continue to develop a general understanding and appreciation of diverse French-speaking communities, as well as the skills necessary to become life-long language learners.

Prerequisite: Core French, Grade 9, Open

Core French, Grade 11

University Preparation   FSF3U
This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts. They will continue to broaden their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

Prerequisite: Core French, Grade 10, Academic

Core French, Grade 11

Open   FSF3O
This course provides opportunities for students to speak and interact in French in real-life situations. Students will continue to develop their communication skills, making connections to previous experiences and using newly acquired language knowledge and skills. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

Prerequisite: Core French, Grade 10, Academic, Applied, or Open

Core French, Grade 12

University Preparation   FSF4U
This course provides extensive opportunities for students to speak and interact in French independently. Students will apply language-learning strategies in a wide variety of real-life situations, and will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

Prerequisite: Core French, Grade 11, University Preparation
Core French, Grade 12
Open FSF4O
This course provides a variety of opportunities for students to speak and interact in French. Students will use language learning strategies in a variety of real-life situations and personally relevant contexts. They will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to develop their understanding and appreciation of diverse French-speaking communities, as well as the skills necessary for life-long language learning.
Prerequisite: Core French, Grade 11, Open

Extended French

Extended French, Grade 9
Academic FEF1D
This course provides opportunities for students to speak and interact in French in a variety of real-life and personally relevant contexts. Students will continue to use language-learning strategies introduced in the elementary Extended French program. They will develop their creative and critical thinking skills, through independently responding to and interacting with a variety of oral and written texts, and will continue to enhance their understanding and appreciation of diverse French-speaking communities. They will also develop the skills necessary to become life-long language learners.
Prerequisite: Minimum of 1260 hours of instruction in elementary Extended French, or equivalent

Extended French, Grade 10
Academic FEF2D
This course provides extensive opportunities for students to use their communication skills in French and to apply language-learning strategies. Students will respond to and interact with French oral and written texts in a variety of real-life contexts, using their creative and critical thinking skills to explore and evaluate information and ideas in the texts. Students will increase their knowledge of the language through the study of French-Canadian authors. They will also continue to increase their understanding and appreciation of French-speaking communities and to develop the skills necessary to become life-long language learners.
Prerequisite: Extended French, Grade 9, Academic

Extended French, Grade 11
University Preparation FEF3U
This course provides opportunities for students to communicate about concrete and abstract topics in various situations. Students will consolidate language-learning strategies and apply them in a variety of real-life contexts in order to enhance and refine their communication skills, and will continue to develop creative and critical thinking skills. Students will develop their knowledge of the language through the study of contemporary and well-known French European authors. They will also continue to deepen their understanding and appreciation of diverse French-speaking communities, and develop the skills necessary to become life-long language learners.
Prerequisite: Extended French, Grade 10, Academic
Extended French, Grade 12  
University Preparation    FEF4U
This course further emphasizes the consolidation of communication skills required to interact in French for various purposes about concrete and abstract topics. Students will independently apply language-learning strategies in a variety of real-life and personally relevant contexts, and will broaden their creative and critical thinking skills through responding to and analysing oral and written texts. Students will increase their knowledge of the language through the study of Canadian and international French literature. They will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.
Prerequisite: Extended French, Grade 11, University Preparation

French Immersion

French Immersion, Grade 9  
Academic FIF1D
This course provides opportunities for students to speak and interact in French independently in a variety of real-life and personally relevant contexts. Students will develop their ability to communicate in French with confidence by using language-learning strategies introduced in the elementary French Immersion program. Students will enhance their knowledge of the language through the study of French-Canadian literature. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.
Prerequisite: Minimum of 3800 hours of instruction in elementary French Immersion, or equivalent

French Immersion, Grade 9  
Applied FIF1P
This course provides opportunities for students to communicate and exchange information in a variety of real-life situations, with support as appropriate. Students will continue to develop the key listening, speaking, reading, and writing skills introduced in the elementary French Immersion program. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.
Prerequisite: Minimum of 3800 hours of instruction in elementary French Immersion, or equivalent

French Immersion, Grade 10  
Academic FIF2D
This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will use a variety of language-learning strategies in listening, speaking, reading, and writing, and will respond to and interact with print, oral, visual, and electronic texts. Students will develop their knowledge of the French language through the study of contemporary and historically well-known French European literature. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.
Prerequisite: French Immersion, Grade 9, Academic or Applied

French Immersion, Grade 10  
Applied FIF2P
This course emphasizes the development of communication and interaction skills and strategies in French. Students will acquire literacy skills by using creative and critical analysis processes in listening, speaking, reading, and writing in real-life contexts. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.
Prerequisite: French Immersion, Grade 9, Academic or Applied
**French Immersion, Grade 11**  
**University Preparation FIF3U**  
This course provides opportunities for students to consolidate the communication skills required to speak and interact with increasing confidence and accuracy in French in a variety of academic and social contexts. Students will apply language-learning strategies while exploring a variety of concrete and abstract topics, and will increase their knowledge of the language through the study of French literature from around the world. They will also continue to deepen their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.  
**Prerequisite:** French Immersion, Grade 10, Academic

**French Immersion, Grade 11**  
**Open FIF3O**  
This course provides opportunities for students to speak and interact in French in real-life situations for practical purposes. Students will explore and create a wide variety of texts, with a particular focus on exploring the use of skills related to the study of French that can be applied in the workplace and beyond. Students will also continue to deepen their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.  
**Prerequisite:** French Immersion, Grade 10, Academic or Applied

**French Immersion, Grade 12**  
**University Preparation FIF4U**  
This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will consolidate language-learning strategies and apply them while communicating about concrete and abstract topics, and will independently respond to and interact with a variety of oral and written texts. Students will study a selection of French literature from the Middle Ages to the present. They will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.  
**Prerequisite:** French Immersion, Grade 11, University Preparation

**French Immersion, Grade 12**  
**Open FIF4O**  
This course provides opportunities for students to consolidate communication and critical and creative thinking skills related to the study of French that can be applied in the workplace and beyond. Students will develop collaborative skills and self-confidence through hands-on activities, using French in real-life contexts and new and familiar situations. They will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.  
**Prerequisite:** French Immersion, Grade 11, University or Open
<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Discovering the Workplace</strong></td>
<td>Grade 10</td>
<td>Open</td>
<td>GLD 2O</td>
</tr>
<tr>
<td><strong>Designing Your Future</strong></td>
<td>Grade 11</td>
<td>Open</td>
<td>GWL 3O</td>
</tr>
<tr>
<td><strong>Navigating the Workplace</strong></td>
<td>Grade 12</td>
<td>Open</td>
<td>GLN 4O</td>
</tr>
<tr>
<td><strong>Learning Strategies 1: Skills for Success in Secondary School</strong></td>
<td>Grade 9</td>
<td>Open or GLE 1O</td>
<td></td>
</tr>
<tr>
<td><strong>Career Studies</strong></td>
<td>Grade 10</td>
<td>Open</td>
<td>GLC 2O</td>
</tr>
<tr>
<td><strong>Leadership and Peer Support</strong></td>
<td>Grade 11</td>
<td>Open</td>
<td>GPP 3O</td>
</tr>
<tr>
<td><strong>Advanced Learning Strategies: Skills for Success After Secondary School</strong></td>
<td>Grade 12</td>
<td>Open or GLE 4O</td>
<td></td>
</tr>
</tbody>
</table>
Guidance and Career Education and Special Education

Learning Strategies 1: Skills for Success in Secondary School, Grade 9, Open (GLS 10/GLE 10/GLE 20)
This course explores learning strategies and helps students become better, more independent learners while increasing their personal management skills, both in school and in other contexts. Students will learn how to develop and apply a range of strategies to improve their learning and achievement, particularly their literacy, numeracy, communication and planning skills. This course will increase students’ confidence, motivation and ability to learn.
Prerequisite: For GLS 10 – none; For GLE 10 and GLE 20 – recommendation of principal

Career Studies, Grade 10, Open (GLC 2O)
This course teaches students how to develop and achieve personal goals in education and work and contribute to their communities. Student learning will include assessing their own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities and ways to search for work. The course explores post-secondary learning options, prepares students for community-based learning and helps them build the capabilities needed for managing work and life transitions. Students will design action plans for pursuing their goals.
Prerequisite: None

Designing Your Future, Grade 11, Open (GWL 3O)
This course prepares students to make successful transitions to post-secondary work and education, or training. Students will explore the realities and opportunities of modern workplaces, while refining their employability skills and learning how to manage their careers. Students will target appropriate post-secondary education or training options and begin to implement an action plan for post-secondary success.
Prerequisite: None

Leadership and Peer Support, Grade 11, Open (GPP 3O)
This course prepares and motivates students to provide leadership and assistance to others in their schools and communities. Students will develop skills in communication, interpersonal relations, coaching, leadership, teamwork and conflict management, and apply these skills in roles such as tutoring, mentoring and student council involvement. Students also learn the value and complexity of social diversity, while acquiring an appreciation of the importance of contributing to their communities and helping others throughout their lives.
Prerequisite: None

Advanced Learning Strategies: Skills for Success After Secondary School, Grade 12, Open (GLS 40/GLE 40/GLE 30)
This course improves students’ learning skills, preparing them to make successful transitions to work and post-secondary education and become independent, lifelong learners. Students will learn how to assess their learning abilities and use critical reading, time management and other techniques for promoting effective learning. In addition, they will investigate learning requirements for employment and post-secondary education or training and develop plans for learning after secondary school.
Prerequisite: For GLS 40 – None; For GLE 40 and GLE 30 – recommendation of principal

Discovering the Workplace, Grade 10, Open (GLD 2O)
This course provides students with opportunities to discover and develop the workplace essential skills and work habits required to be successfully employed. Students will develop an understanding of work through practical, hands-on experiences in the school and in the community, using real workplace materials. They investigate occupations of interest through experiential opportunities (e.g., worksite visits, hearing guest speakers, job shadowing, work experience, simulations, entrepreneurial projects). This course helps students make plans for continued learning and work.
Prerequisite: None
Navigating the Workplace,  
Grade 12, Open  (GLN 4O)

This course provides students with opportunities to develop the workplace essential skills and work habits required for success in all types of workplaces. Students will explore occupations and careers of interest through participation in real workplace experiences (e.g., information interviews, work experiences). They will make plans for continued learning and work, work with others to design learning experiences, and investigate the resources and support required to make a smooth transition to their post-secondary destination.

Prerequisite: None

Note: See Co-operative Education section on page 8
Prerequisite Chart for Health and Physical Education

This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

- **Healthy Active Living Education**
  - Grade 9, Open PPL 1O
  - Grade 10, Open PPL 2O

- **Healthy Active Living Education**

- **Health for Life**
  - Grade 11, Open PPZ 3O

- **Exercise Science**
  - Grade 12, University PSE 4U

- **Recreation and Fitness Leadership**
  - Grade 12, College PLF 4C

- **Healthy Active Living Education**
  - Grade 11, Open PPL 3O
  - Grade 12, Open PPL 4O
Health and Physical Education

Healthy Active Living Education, Grade 9, Open (PPL 1O)
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.
Prerequisite: None

Healthy Active Living Education, Grade 10, Open (PPL 2O)
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.
Prerequisite: None

Healthy Active Living Education, Grade 11, Open (PPL 3O)
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, coping, social and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health and personal safety.
Prerequisite: None

Health for Life, Grade 11, Open (PPZ 3O)
This course helps students develop a personalized approach to healthy living. Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the components of the vitality approach to healthy living – an initiative that promotes healthy eating, an active lifestyle and a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives.
Prerequisite: None

Healthy Active Living, Grade 12, Open (PPL 4O)
This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students’ interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict resolution and interpersonal skills, with a view to enhance their mental health and their relationships with others.
Prerequisite: None

Exercise Science, Grade 12, University Preparation (PSE 4U)
This course focuses on the study of human movement and of systems, factors and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sports and the factors that influence an individual’s participation in physical activity. The course prepares students for university programs in physical education, kinesiology, recreation and sports administration.
Prerequisite: Any Grade 11 University or University/College Preparation Course in Science or any Grade 11 or 12 Open Course in Health and Physical Education
Recreation and Fitness Leadership,
Grade 12, College Preparation (PLF 4C)

This course focuses on the development of leadership and co-ordination 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.

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

Options for grades 9-12:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD</td>
<td>Outdoor Activities</td>
</tr>
<tr>
<td>PAF</td>
<td>Personal and Fitness Activities</td>
</tr>
<tr>
<td>PAI</td>
<td>Individual and Small Group Activities</td>
</tr>
<tr>
<td>PAL</td>
<td>Large Group Activities</td>
</tr>
<tr>
<td>PAQ</td>
<td>Aquatics</td>
</tr>
<tr>
<td>PAR</td>
<td>Rhythm and Movement</td>
</tr>
</tbody>
</table>

NB: A student may take more than one Healthy Active Living Education course for credit in the same grade.
Interdisciplinary Studies

Interdisciplinary Studies, Grade 11, Open (IDC 3O/IDP 3O)
This course will help students combine the skills required for the 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. Through individual and collaborative inquiry and research, students will analyse the connections among diverse subjects and disciplines, develop information literacy skills in analysing, selecting, evaluating and communicating information and become aware of a variety of resources and viewpoints on contemporary issues. They will also examine their own learning styles, relate their inquiries and research to real-life situations and investigate career opportunities in new disciplines.

Prerequisite: For IDC 3O – none; For IDP 3O – the prerequisite for each of the courses in the package

Interdisciplinary Studies, Grade 12, University Preparation (IDC 4U/IDP 4U)
This course will help students 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 analyse 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: For IDC 4U, any University or University/College Preparation Course; For IDP 4U, the prerequisite for each of the courses in the package

Interdisciplinary Studies, Grade 12, Open (IDC 4O/IDP 4O)
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: For IDC 4O – none; For IDP 4O – the prerequisite for each of the courses in the package
Prerequisite Chart for Mathematics

This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

Note: The new Advanced Functions course should precede Calculus and Vectors but could be taken concurrently.

- Transfer course
Mathematics

Principles of Mathematics, Grade 9, Academic (MPM 1D)

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

Successful completion of this course prepares students for Principles of Mathematics, Grade 10, Academic (MPM 2D) or Foundations of Mathematics, Grade 10, Applied (MFM 2P).

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

Prerequisite: None

Foundations of Mathematics, Grade 9, Applied (MFM 1P)

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

Successful completion of this course prepares students for Foundations of Mathematics, Grade 10, Applied (MFM 2P).

(Note: Students who wish to take Principles of Mathematics, Grade 10, Academic (MPM 2D) after completing this course will need to take a transfer course.)

Learning through hands-on activities and the use of concrete examples is an important aspect of this course.

Prerequisite: None

Locally Developed Compulsory Credit Grade 9 (MAT 1L)

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Grade 10 LDCC course.

The course is organized in 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.

Prerequisite: None

Principles of Mathematics, Grade 10, Academic (MPM 2D)

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

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

Prerequisite: Mathematics, Grade 9, Academic or Applied + Transfer

Foundations of Mathematics, Grade 10, Applied (MFM 2P)

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

Prerequisite: Mathematics, Grade 9, Academic or Applied
Locally Developed Compulsory Credit
Grade 10 (MAT 2L)

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 Grade 11 Mathematics Workplace Preparation course.

The course is organized in 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

Functions,
Grade 11, University Preparation (MCR 3U)

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

Prerequisite: Principles of Mathematics, Grade 10, Academic

Functions and Applications,
Grade 11, University/College Preparation (MCF 3M)

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

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

Foundations for College Mathematics,
Grade 11, College Preparation (MBF 3C)

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; as well as of measurement and geometry; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analysing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: Foundations of Mathematics, Grade 10, Applied

Mathematics for Work and Everyday Life,
Grade 11, Workplace Preparation (MEL 3E)

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

Prerequisite: Principles of Mathematics, Grade 9, Academic, or Foundations of Mathematics, Grade 9, Applied, or a ministry-approved locally developed Grade 10 mathematics course

Calculus and Vectors
Grade 12, University Preparation (MCV 4U)

This course builds on students’ previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.

Prerequisite: Functions, Grade 11, University Preparation, and the new Advanced Functions course must be taken prior to or concurrently with Calculus and Vectors.
Advanced Functions, Grade 12, University Preparation (MHF 4U)
This course extends students’ experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation

Mathematics of Data Management, Grade 12, University Preparation (MDM 4U)
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 humanities will find this course of particular interest.

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

Mathematics for College Technology, Grade 12, College Preparation (MCT 4C)
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

Foundations for College Mathematics, Grade 12, College Preparation (MAP 4C)
This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation

Mathematics for Work and Everyday Life, Grade 12, Workplace Preparation (MEL 4E)
This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs and create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation
Prerequisite Chart for Native Studies

This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

Note: Students who take the Grade 11 course English: Contemporary Aboriginal Voices (university, college or workplace preparation) may use the credit earned for this course to meet the Grade 11 English compulsory credit requirement.
First Nations, Métis and Inuit Studies, Grades 9-12
Course Codes, Titles and Descriptions

The courses appearing in this section in red are effective September 2013 and replace ALL courses previously offered in this Curricular area.

Expressions of Aboriginal Cultures, Grade 9
Open NAC1O
This course will explore a variety of contemporary and traditional First Nations, Métis, and Inuit art forms such as new media, storytelling, installation and performance art. Students will examine the interrelationships between Aboriginal art forms and individual and cultural identities and values. They will create art works to express their own ideas and understanding of Aboriginal identity, relationships, and sovereignty by using a range of media, processes, techniques, and styles.
Prerequisite: None.

First Nations, Métis, and Inuit Peoples in Canada, Grade 10
Open NAC2O
This course explores First Nations, Métis, and Inuit peoples’ relationships with Canada from pre-contact to the 21st century. Students will examine social, economic, political and military interactions that impact the contemporary realities of Aboriginal people in Canada in relation to identity, culture, community, land, and governance. Students will explore their own and others’ ideas using the historical inquiry process to think critically and respond responsibly about civic questions raised today as a result of the changing relationships.
Prerequisite: None.

English: Contemporary Aboriginal Voices, Grade 11
University Preparation NBE3U
This course focuses on themes, forms, and stylistic elements of a range of literary, informational, and graphic texts of First Nation, Métis, and Inuit authors in Canada. They will analyze changes in use of text forms by Aboriginal authors over time periods and within cultures when expressing themes of identity, relationships, and sovereignty in the 21st century. Students will create oral, written, and media texts to explore their own ideas and understanding focusing on the development of literacy, communication, critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 university preparation course.
Prerequisite: English, Grade 10, Academic or Applied.

English: Contemporary Aboriginal Voices, Grade 11
College Preparation NBE3C
This course focuses on themes, forms, and styles of literary, informational, and graphic texts of First Nation, Métis, and Inuit authors in Canada. They will study changes in use of text forms by Aboriginal authors over time when expressing themes of identity, relationships, and sovereignty in the 21st century. Students will create oral, written, and media texts to explore their own ideas and understanding focusing on the development of literacy, communication, critical and creative thinking skills necessary for success in practical and academic life. The course is intended to prepare students for the compulsory Grade 12 college preparation course.
Prerequisite: English, Grade 10, Academic or Applied.
English: Contemporary Aboriginal Voices, Grade 11
Workplace Preparation NBE3E
This course focuses on content, forms, and style of literary, informational, and graphic texts of First Nation, Métis, and Inuit authors in Canada. They will investigate the connections between text forms and audiences on themes such as identity, culture, community, relationships, and sovereignty in the 21st century. Students will create oral, written, and media focusing on using language for practical and workplace purposes. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course.
**Prerequisite:** English, Grade 10, Academic or Applied.

Current Aboriginal Issues in Canada
University/College Preparation NDA3M
This course focuses on existing and emerging issues of national and regional importance of concern to Aboriginal peoples in Canada. Students will analyze diverse perspectives from a variety of sources such as media, academic works and public opinion polls on events and developments related to land, community, governance, identity and culture. Using political thinking concepts and the political inquiry process students will explore their own and others’ ideas, investigate an issue to determine what needs to change, why and appropriate problem-solving strategies.
**Prerequisite:** Grade 10 First Nations, Métis, and Inuit Peoples in Canada, Open, or Grade 10 Canadian History Since World War I, Academic or Applied.

Beliefs, Values and Aspirations of Aboriginal Peoples in Contemporary Society, Grade 11
College Preparation NBV3C
This course focuses on the diverse beliefs, values, and aspirations between First Nations, Métis, and Inuit peoples of Canada and the political, economic, cultural and social challenges facing Aboriginal individuals and communities from various regions and cultures. By examining their own beliefs, values and assumptions, the worldviews of others and factors that influence world views, students will appreciate how traditional and contemporary beliefs and values influence present and future aspirations of Aboriginal peoples.
**Prerequisite:** Grade 10 First Nations, Métis, and Inuit Peoples in Canada, Open, or Grade 10 Canadian History Since World War I, Academic or Applied.

Beliefs, Values and Aspirations of Aboriginal Peoples in Contemporary Society
Grade 11
Workplace Preparation NBV3E
This course focuses on the diverse beliefs, values, and aspirations between First Nations, Métis, and Inuit peoples of Canada. Students will examine issues of identity facing Aboriginal individuals and communities in connection to changing relationships with the land, nature, one another and Canada. By examining their own worldview and investigating factors that influence perspectives over time, students will develop their understanding of how traditional and contemporary beliefs and values influence present and future aspirations of Aboriginal peoples.
**Prerequisite** Grade 10 First Nations, Métis, and Inuit Peoples in Canada, Open, or Grade 10 Canadian History Since World War I, Academic or Applied.
Aboriginal Governance: Emerging Directions  
University/College Preparation NDG4M  
This course explores various aspects of First Nations, Métis and Inuit leadership, nationhood, and governance. Students will examine how First Nations, Métis, and Inuit peoples relate to and negotiate with the government of Canada and other organizations including how traditional beliefs, values and cultures inform models of governance. Students will reflect on their own ideas of civic, economic and cultural leadership as they learn about how individual and community Aboriginal leaders are revitalizing and strengthening their communities.  
**Prerequisite:** Any Grade 11 First Nations, Métis and Inuit Studies or any Grade 11 University, University/College, or College Preparation course in Canadian and world studies or any Grade 11 University, University/College, or College Preparation course Social Science and Humanities.

Issues of Indigenous Peoples in a Global Context  
University/College Preparation NDW4M  
This course examines historical and contemporary issues of concern to Indigenous peoples from a global perspective. Students will explore the richness, depth, and diversity of Indigenous cultures, traditions and knowledge. They will consider how diverse Indigenous communities persevere despite recent global environmental and economic trends. Topics such as identity, social justice, human rights and abuses, spirituality, resistance and protest for change will be investigated.  
**Prerequisite:** Any Grade 11 First Nations, Métis and Inuit Studies or any Grade 11 University, University/College, or College Preparation course in Canadian and world studies or any Grade 11 University, University/College, or College Preparation course Social Science and Humanities.
This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.
Science

Science, Grade 9, Academic (SNC 1D)
This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

Prerequisite: None

Science, Grade 9, Applied (SNC 1P)
This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

Prerequisite: None

Science, Grade 9, Locally Developed Compulsory (SNC 1L)
This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the relationship between science, society, and the environment, to prepare students for success in everyday life, in the workplace, and in the Grade 10 LDCC course.

Students explore a range of topics, including science in daily life, properties of common materials, life-sustaining processes in simple and complex organisms, and electrical circuits.

Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

Prerequisite: None

Science, Grade 10, Academic (SNC 2D)
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

Science, Grade 10, Applied (SNC 2P)
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

Science, Grade 10, Locally Developed Compulsory (SNC 2L)
This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace, and in the Science Grade 11 Workplace Preparation course.

Students explore a range of topics, including science in the media, interactions of common materials, interdependence of organisms in communities, and using electrical energy.

Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

Prerequisite: None
**Biology**

**Biology, Grade 11, University Preparation (SBI 3U)**

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*

**Biology, Grade 11, College Preparation (SBI 3C)**

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*

**Biology, Grade 12, University Preparation (SBI 4U)**

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*

**Chemistry**

**Chemistry, Grade 11, University Preparation (SCH 3U)**

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*

**Chemistry, Grade 12, University Preparation (SCH 4U)**

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*

**Chemistry, Grade 12, College Preparation (SCH 4C)**

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*
Earth and Space Science

Earth and Space Science, Grade 12, University Preparation (SES 4U)
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

Environmental Science

Environmental Science, Grade 11, University/College Preparation (SVN 3M)
This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students’ literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy.

Prerequisite: Science, Grade 9, Academic or Applied, or a Grade 9 or 10 locally developed compulsory credit (LDCC) course in science

Physics

Physics, Grade 11, University Preparation (SPH 3U)
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

Physics, Grade 12, University Preparation (SPH 4U)
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
Physics, Grade 12, College Preparation (SPH 4C)
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

Science, Grade 12, University/College Preparation (SNC 4M)
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

Science, Grade 12, Workplace Preparation (SNC 4E)
This course provides students with fundamental science knowledge and workplace skills needed to prepare them for success beyond secondary school. Students will explore hazards in the workplace, chemicals in consumer products, disease and its prevention, electricity at home and at work, and nutritional science. Emphasis is placed on current topics in science and relevant, practical activities that develop students’ literacy and mathematical literacy skills and enhance their scientific literacy.

Prerequisite: Science, Grade 10, Applied, or a Grade 10 locally developed compulsory credit (LDCC) course in science
Prerequisite Chart for Social Sciences & Humanities

This chart maps out all the courses in the discipline and shows the link between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

<table>
<thead>
<tr>
<th>Individual and Family Living</th>
<th>Any Grade 11 or 12 University or University/College Preparation Course in Social Sciences &amp; Humanities, English or Canadian &amp; World Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 9 or 10, Open HIF 1O/2O</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Food and Nutrition</th>
<th>Introduction to Anthropology, Psychology and Sociology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 9 or 10, Open HFN 1O/2O</td>
<td>Grade 11, University/College HSP 3M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>World Religions: Beliefs, Issues and Religious Traditions</th>
<th>Grade 11, University/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11, University/College HRT 3M</td>
<td>Any Grade 11 or 12 College Preparation Course in Social Sciences &amp; Humanities, English or Canadian and World Issues</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Living and Working with Children</th>
<th>Grade 11, College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11, College HPW 3C</td>
<td>Managing Personal and Family Resources</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Managing Personal and Family Resources</th>
<th>Grade 11, College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11, College HIR 3C</td>
<td>Managing Personal Resources</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Managing Personal Resources</th>
<th>Grade 11, Workplace</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11, Workplace HIP 3E</td>
<td>Fashion and Creative Expression</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fashion and Creative Expression</th>
<th>Grade 11, Open</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11, Open HNC 3O</td>
<td>Living Spaces and Shelter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Living Spaces and Shelter</th>
<th>Grade 11, Open</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11, Open HLS 3O</td>
<td>Parenting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parenting</th>
<th>Grade 11, Open</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11, Open HPC 3O</td>
<td>World Religions: Beliefs and Daily Life</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>World Religions: Beliefs and Daily Life</th>
<th>Grade 11, Open</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11, Open HRF 30</td>
<td>Philosophy: The Big Questions</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Philosophy: The Big Questions</th>
<th>Grade 11, Open</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11, Open HZB 3O</td>
<td>Philosophy: Questions and Theories</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Philosophy: Questions and Theories</th>
<th>Grade 12, University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 12, University HZT 4U</td>
<td>Challenge and Change in Society</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Challenge and Change in Society</th>
<th>Grade 12, University/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 12, University/College HSB 4M</td>
<td>Food and Nutrition Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Food and Nutrition Sciences</th>
<th>Grade 12, University/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 12, University/College HFA 4M</td>
<td>Individuals and Families in a Diverse Society</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Individuals and Families in a Diverse Society</th>
<th>Grade 12, University/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 12, University/College HHS 4M</td>
<td>Issues in Human Growth and Development</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Issues in Human Growth and Development</th>
<th>Grade 12, University/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 12, University/College HHG 4M</td>
<td>Parenting and Human Development</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parenting and Human Development</th>
<th>Grade 12, Workplace</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 12, Workplace HPD 4E</td>
<td>The Fashion Industry</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The Fashion Industry</th>
<th>Grade 12, Open</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 12, Open HNB 4O</td>
<td>Grade 11, Open HFN 1O/2O</td>
</tr>
</tbody>
</table>

Revised Prerequisite Chart will be made available when provided by the Ministry.
Social Sciences and Humanities, Grades 9-12
Course Codes, Titles and Descriptions

The courses appearing in this section in red are effective September 2013 and replace ALL courses previously offered in this Curricular area.

Family Studies

Exploring Family Studies, Grade 9 or 10
Open HIF1O/2O
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.

Family Studies - Fashion and Housing

Clothing, Grade 10
Open HNL2O
This course introduces students to the world of clothing. Students will gain knowledge about clothing and will demonstrate basic skills associated with 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 and will develop shopping strategies and an understanding of various retail formats. Students will develop research skills as they investigate topics related to clothing.
Prerequisite: None.

Understanding Fashion, Grade 11
College Preparation HNC3C
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. They 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.

Housing and Home Design, Grade 11
Open HLS3O
This course introduces students to a range of issues related to housing and home design. Students will learn about the needs that housing fulfills; housing options; home maintenance and safety; and environmental, economic, legal, and social considerations related to housing. They will use the elements and principles of design to analyse design and decorating decisions. Students will develop research skills as they investigate issues related to housing and home design.
Prerequisite: None.
The World of Fashion, Grade 12
University/College Preparation HNB4M
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.

Family Studies - Food and Nutrition

Food and Nutrition, Grade 9 or 10
Open HFN1O/2O
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.

Food and Culture, Grade 11
University/College Preparation HFC3M
This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will explore the origins of and developments in diverse food traditions. They will demonstrate the ability to cook with ingredients and equipment from a variety of cultures, compare food-related etiquette in many countries and cultures, and explain how Canadian food choices and traditions have been influenced by other cultures. Students will develop practical skills and apply social science research methods while investigating foods and food practices from around the world.
Prerequisite: None.

Food and Culture, Grade 11
Workplace Preparation HFC3E
This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will demonstrate the ability to cook with ingredients and equipment from a range of cultures, describe food-related etiquette in a variety of countries and cultures, and explore ways in which Canadian food choices and traditions have been influenced by other cultures. Students will have opportunities to develop practical skills and apply research skills as they investigate foods and food practices from around the world.
Prerequisite: None.

Nutrition and Health, Grade 12
University Preparation HFA4U
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.
Nutrition and Health, Grade 12  
College Preparation HFA4C  
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.

Food and Healthy Living, Grade 12  
Workplace Preparation HFL4E  
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.

Family Studies - General Family Studies

Dynamics of Human Relationships, Grade 11  
Open HHD3O  
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.

Families in Canada, Grade 12  
University Preparation HHS4U  
This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada’s diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships.  
Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.
**Families in Canada, Grade 12**  
**College Preparation HHS4C**  
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.

**Human Development Throughout the Lifespan, Grade 12**  
**University/College Preparation HHG4M**  
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.

**Personal Life Management, Grade 12**  
**Open HIP4O**  
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.

**Family Studies - Raising and Caring for Children**

**Working with Infants and Young Children, Grade 11**  
**College Preparation HPW3C**  
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.

**Raising Healthy Children, Grade 11**  
**Open HPC3O**  
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.
Working with School-Age Children and Adolescents, Grade 12
College Preparation HPD4C
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.

General Social Sciences

Introduction to Anthropology, Psychology, and Sociology, Grade 11
University Preparation HSP3U
This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science, and to become familiar with current thinking on a range of issues within the three disciplines.
Prerequisite: The Grade 10 academic course in English or the Grade 10 academic history course (Canadian and world studies).

Introduction to Anthropology, Psychology, and Sociology, Grade 11
College Preparation HSP3C
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. They 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.

Challenge and Change in Society, Grade 12
University Preparation HSB4U
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.

Philosophy

Philosophy: The Big Questions, Grade 11
University/College Preparation HZB3M
This course encourages exploration of philosophy’s big questions, such as: What is a meaningful life? What separates right from wrong? What constitutes knowledge? What makes something beautiful? What is a just society? Students will develop critical thinking and philosophical reasoning skills as they identify and analyse the responses of philosophers to the big questions and formulate their own response to them. Students will explore the relevance of philosophical questions to society and to their everyday life. They will develop research and inquiry skills as they investigate various topics in philosophy.
Prerequisite: None.
Philosophy: Questions and Theories, Grade 12  
University Preparation HZT4U  
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.

World Religions

World Religions and Belief Traditions: Perspectives, Issues, and Challenges, Grade 11  
University/College Preparation HRT3M  
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.

World Religions and Belief Traditions in Daily Life, Grade 11  
Open HRF3O  
This course enables students to study world religions and belief traditions in local, Canadian, and global contexts. Students will explore aspects of the human quest for meaning and will examine world religions and belief traditions as exemplified in various sacred teachings and principles, rites, and passages. They will also study the interaction throughout history between society and various belief traditions, and will have opportunities to develop research and inquiry skills related to the study of world religions and belief traditions.  
Prerequisite: None.

Equity Studies

Equity, Diversity, and Social Justice, Grade 11  
Workplace Preparation HSE3E  
This course enables students to develop an understanding of historical and contemporary issues relating to equity, diversity, and social justice in a variety of contexts. Students will explore the nature of diversity and power relations in Canada and how social norms shape individual identity. They will learn about social activism and how to address situations that involve discrimination, harassment, and denial of rights. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity, diversity, or social justice issue.  
Prerequisite: None.
Equity and Social Justice: From Theory to Practice, Grade 12
University/College Preparation HSE4M
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 or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

Gender Studies, Grade 11
University/College Preparation HSG3M
This course enables students to 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.

World Cultures, Grade 12
University/College Preparation HSC4M
This course examines the nature of culture; how cultural identities are acquired, maintained, and transformed; and theories used to analyse cultures. Students will explore world cultures, with an emphasis on the analysis of religious and spiritual beliefs, art forms, and philosophy. They will study the contributions and influence of a range of cultural groups and will critically analyse issues facing ethnocultural groups within Canada and around the world. Students will develop and apply research skills and will design and implement a social action initiative relating to cultural diversity.

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

These charts map out all the courses in the discipline and show the link between courses and the possible prerequisites for them. They do not attempt to depict all possible movements from course to course.

TECHNOLOGICAL EDUCATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exploring Technologies</td>
<td>Grade 9</td>
<td>Open</td>
</tr>
<tr>
<td>TIJ 1O</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMMUNICATIONS TECHNOLOGY

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications Technology</td>
<td>Grade 9</td>
<td>Open</td>
</tr>
<tr>
<td>TGJ 1O</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Computer Engineering Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Engineering Technology</td>
<td>Grade 11</td>
<td>University/College</td>
</tr>
<tr>
<td>TEJ 3M</td>
<td></td>
<td>TCJ 3C</td>
</tr>
</tbody>
</table>

Computer Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Technology</td>
<td>Grade 10</td>
<td>Workplace</td>
</tr>
<tr>
<td>TEJ 2O</td>
<td></td>
<td>TCJ 2O</td>
</tr>
</tbody>
</table>

CONSTRUCTION TECHNOLOGY

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Technology</td>
<td>Grade 9</td>
<td>Open</td>
</tr>
<tr>
<td>TCJ 1O</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Construction Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Technology</td>
<td>Grade 12</td>
<td>Workplace</td>
</tr>
<tr>
<td>TCJ 4E</td>
<td></td>
<td>TCJ 4E</td>
</tr>
</tbody>
</table>

Custom Woodworking

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Custom Woodworking</td>
<td>Grade 11</td>
<td>Workplace</td>
</tr>
<tr>
<td>TWJ 3E</td>
<td></td>
<td>TCJ 4E</td>
</tr>
</tbody>
</table>
Prerequisite Charts for Technological Education (cont’d)

GREEN INDUSTRIES

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Industries</td>
<td>Grade 9</td>
<td>Open</td>
<td>THJ 1O</td>
</tr>
<tr>
<td>Green Industries</td>
<td>Grade 10</td>
<td>Open</td>
<td>THJ 2O</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Industries</td>
<td>Grade 11</td>
<td>University/College</td>
<td>THJ 3M</td>
</tr>
<tr>
<td>Green Industries</td>
<td>Grade 11</td>
<td>Workplace</td>
<td>THJ 3E</td>
</tr>
<tr>
<td>Green Industries</td>
<td>Grade 12</td>
<td>University/College</td>
<td>THJ 4M</td>
</tr>
<tr>
<td>Green Industries</td>
<td>Grade 12</td>
<td>Workplace</td>
<td>THJ 4E</td>
</tr>
</tbody>
</table>

HAIRSTYLING AND AESTHETICS

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hairstyling and Aesthetics</td>
<td>Grade 9</td>
<td>Open</td>
<td>TXJ 1O</td>
</tr>
<tr>
<td>Hairstyling and Aesthetics</td>
<td>Grade 10</td>
<td>Open</td>
<td>TXJ 2O</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hairstyling and Aesthetics</td>
<td>Grade 11</td>
<td>Workplace</td>
<td>TXJ 3E</td>
</tr>
<tr>
<td>Hairstyling and Aesthetics</td>
<td>Grade 12</td>
<td>Workplace</td>
<td>TXJ 4E</td>
</tr>
</tbody>
</table>

HEALTH CARE

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Care</td>
<td>Grade 9</td>
<td>Open</td>
<td>TPJ 1O</td>
</tr>
<tr>
<td>Health Care</td>
<td>Grade 10</td>
<td>Open</td>
<td>TPJ 2O</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Care</td>
<td>Grade 11</td>
<td>University/College</td>
<td>TPJ 3M</td>
</tr>
<tr>
<td>Health Care</td>
<td>Grade 11</td>
<td>College</td>
<td>TPJ 3C</td>
</tr>
<tr>
<td>Health Care</td>
<td>Grade 12</td>
<td>University/College</td>
<td>TPJ 4M</td>
</tr>
<tr>
<td>Health Care</td>
<td>Grade 12</td>
<td>College</td>
<td>TPJ 4C</td>
</tr>
<tr>
<td>Child Development and Gerontology</td>
<td>Grade 12</td>
<td>College</td>
<td>TOJ 4C</td>
</tr>
<tr>
<td>Health Care: Support Services</td>
<td>Grade 12</td>
<td>Workplace</td>
<td>TPJ 4E</td>
</tr>
</tbody>
</table>

HOSPITALITY AND TOURISM

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospitality and Tourism</td>
<td>Grade 9</td>
<td>Open</td>
<td>TFJ 1O</td>
</tr>
<tr>
<td>Hospitality and Tourism</td>
<td>Grade 10</td>
<td>Open</td>
<td>TFJ 2O</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospitality and Tourism</td>
<td>Grade 11</td>
<td>College</td>
<td>TFJ 3C</td>
</tr>
<tr>
<td>Hospitality and Tourism</td>
<td>Grade 11</td>
<td>Workplace</td>
<td>TFJ 3E</td>
</tr>
<tr>
<td>Hospitality and Tourism</td>
<td>Grade 12</td>
<td>College</td>
<td>TFJ 4C</td>
</tr>
<tr>
<td>Hospitality and Tourism</td>
<td>Grade 12</td>
<td>Workplace</td>
<td>TFJ 4E</td>
</tr>
</tbody>
</table>
Prerequisite Charts for Technological Education (cont’d)

MANUFACTURING TECHNOLOGY

Manufacturing Technology
Grade 9, Open
TMJ 1O

Manufacturing Technology
Grade 10, Open
TMJ 2O

Manufacturing Technology
Grade 11, University/College
TMJ 3M

Manufacturing Technology
Grade 11, College
TMJ 3C

Manufacturing Technology
Grade 11, Workplace
TMJ 3E

Manufacturing Technology
Grade 12, University/College
TMJ 4M

Manufacturing Technology
Grade 12, College
TMJ 4C

Manufacturing Technology
Grade 12, Workplace
TMJ 4E

TECHNOLOGICAL DESIGN

Technological Design
Grade 9, Open
TDJ 1O

Technological Design
Grade 10, Open
TDJ 2O

Technological Design
Grade 11, University/College
TDJ 3M

Technological Design
Grade 11, College
TDJ 3C

Technological Design and the Environment
Grade 11, Open
TDJ 3O

Technological Design and the Environment
Grade 12, Open
TDJ 4O

TRANSPORTATION TECHNOLOGY

Transportation Technology
Grade 9, Open
TTJ 1O

Transportation Technology
Grade 10, Open
TTJ 2O

Transportation Technology
Grade 11, College
TTJ 3C

Transportation Technology: Vehicle Ownership
Grade 11, Open
TTJ 3O

Transportation Technology: Vehicle Ownership
Grade 12, Workplace
TTJ 4E
Technological Education

Exploring Technologies,
Grade 9, Open  
(TIJ 1O)
This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.

Prerequisite: None

Communications Technology

Exploring Communications Technology  
(TGJ 1O)
This exploratory course introduces students to concepts and skills in communications technology, which encompasses television/video and movie production, radio and audio production, print and graphic communications, photography, and animation. 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

Communications Technology,
Grade 10, Open  
(TGJ 2O)
This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

Prerequisite: None

Communications Technology,
Grade 11, University/College Preparation  
(TGJ 3M)
This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.

Prerequisite: None

Communications Technology:
Broadcast and Print Production,
Grade 11, Open  
(TGJ 3O)
This course enables students to develop knowledge and skills in the areas of graphic communication, printing and publishing, audio and video production, and broadcast journalism. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Practical projects may include the making of signs, yearbooks, video and/or audio productions, newscasts, and documentaries. Students will also develop an awareness of related environmental and societal issues and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

Prerequisite: None

Communications Technology,
Grade 12, University/College Preparation  
(TGJ 4M)
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, University/College Preparation
Communications Technology: Digital Imagery and
Web Design, 
Grade 12, Open (TGJ 4O)
This course enables students to develop knowledge and
skills in the areas of photography, digital imaging, animation,
3D modelling, and web design. Students will work both
independently and as part of a production team to design and
produce media products in a project-driven environment.
Practical projects may include photo galleries, digital images,
avimations, 3D models, and websites. Students will also
expand their awareness of environmental and societal
issues related to communications technology and explore
postsecondary education, training, and career opportunities.
Prerequisite: None

Computer Technology

Exploring Computer Technology (TEJ 1O)
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

Computer Technology, 
Grade 10, Open (TEJ 2O)
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

Computer Engineering Technology, 
Grade 11, University/College Preparation (TEJ 3M)
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

Computer Technology, 
Grade 11, Workplace Preparation (TEJ 3E)
This course enables students to develop knowledge and
skills related to computer hardware, networks, operating
systems, and other software. Students will use utility
and application software and learn proper procedures
for installing, maintaining, and troubleshooting computer
systems and networks. Students will develop an awareness
of environmental and societal issues related to the use of
computers, and will learn about apprenticeships and other
employment opportunities in the field of computer technology
that they may choose to pursue after graduation.
Prerequisite: None

Computer Technology, 
Grade 12, Workplace Preparation (TEJ 4E)
This course enables students to further develop their
practical understanding of computer hardware, software,
networks, and operating systems. Students will use utility
and application software, and will follow proper procedures
for installing, maintaining, and troubleshooting computer
systems and networks. In addition to demonstrating an
understanding of the ethical use and environmental effects
of computers, students will develop marketable skills and
assess career opportunities in the field.
Prerequisite: Computer Technology, Grade 11, Workplace
Preparation

2013–2014
Computer Engineering Technology, Grade 12, University/College Preparation (TEJ 4M)

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

Construction Technology

Exploring Construction Technology (TCJ 1O)

This exploratory course introduces students to concepts and skills in construction technology, which encompasses plumbing, electrical 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.

Prerequisite: None

Construction Technology, Grade 10, Open (TCJ 2O)

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

Prerequisite: None

Construction Engineering Technology, Grade 11, College Preparation (TCJ 3C)

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

Prerequisite: None

Construction Technology, Grade 11, Workplace Preparation (TCJ 3E)

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

Construction Engineering Technology, Grade 12, College Preparation (TCJ 4C)

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

Prerequisite: Construction Engineering Technology, Grade 11, College Preparation
Construction Technology, Grade 12, Workplace Preparation (TCJ 4E)
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

Custom Woodworking, Grade 11, Workplace Preparation (TWJ 3E)
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

Custom Woodworking, Grade 12, Workplace Preparation (TWJ 4E)
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

Exploring Green Industries (THJ 1O)
This exploratory course introduces students to concepts and skills related to the green industries – agriculture, forestry, horticulture, and landscaping. 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

Green Industries, Grade 10, Open (THJ 2O)
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

Green Industries, Grade 11, Workplace Preparation (THJ 3E)
This course enables students to develop knowledge and skills related to agriculture, floristry, forestry, horticulture, and landscaping. Students will learn to identify a broad range of plant and animal species; examine factors that affect the growth of plants and animals and the quality of products derived from them; and develop process, design, and maintenance skills required in the green industries. Students will also learn about safe and healthy working practices, develop an awareness of environmental and societal issues related to green industry activities, and learn about apprenticeships and other postsecondary education and training opportunities, as well as employment opportunities that may be pursued directly after graduation.
Prerequisite: None
Green Industries,  
Grade 11, University/College Preparation  (THJ 3M)  
This course enables students to develop knowledge and skills related to agriculture, forestry, horticulture, and landscaping. Students will study the identification, growth, and management of plants and animals and develop process, design, and management skills required in the green industries. Students will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore postsecondary education programs and career opportunities.  
Prerequisite: None

Green Industries,  
Grade 12, Workplace Preparation  (THJ 4E)  
This course enables students to gain further experience with a variety of industry procedures and operations and to acquire additional industry-specific skills. Students will study more complex processes, develop more advanced design and maintenance skills, and explore ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities in the various industries. The knowledge and skills acquired in this course will prepare students for the workplace and apprenticeship training.  
Prerequisite: Green Industries, Grade 11, Workplace Preparation

Green Industries,  
Grade 12, University/College Preparation  (THJ 4M)  
This course focuses on more complex concepts and skills related to the green industries. Students will focus on developing process skills, design and management techniques, and ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities. The knowledge and skills acquired in this course will prepare students for more specialized studies at the college and university level.  
Prerequisite: Green Industries, Grade 11, University/College Preparation

Hairstyling and Aesthetics

Exploring Hairstyling and Aesthetics  (TXJ 1O)  
This exploratory course introduces students to concepts and skills related to hairstyling and aesthetics, including hair, nail, and skin care applications. 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

Hairstyling and Aesthetics,  
Grade 10, Open  (TXJ 2O)  
This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Through a variety of school and community-based activities, students learn fundamental skills in hairstyling, giving manicures and facials and providing hair/scalp analyses, and treatments. Students also consider related environmental and societal issues and explore secondary and postsecondary pathways leading to careers in the field of hairstyling and aesthetics.  
Prerequisite: None

Hairstyling and Aesthetics,  
Grade 11, Workplace Preparation  (TXJ 3E)  
This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and clients. Students consider environmental and societal issues related to the industry and acquire a more detailed knowledge of apprenticeships and directentry work positions.  
Prerequisite: None
**Hairstyling and Aesthetics, Grade 12, Workplace Preparation** (TXJ 4E)

This course enables students to develop increased proficiency in a wide range of hairstyling and aesthetics services. Working in a salon/spa team environment, students strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students expand their understanding of environmental and societal issues and their knowledge of postsecondary destinations in the hairstyling and aesthetics industry.

*Prerequisite: Hairstyling and Aesthetics, Grade 11, Workplace Preparation*

**Health Care**

**Exploring Health Care** (TPJ 1O)

This exploratory course introduces students to concepts and skills related to health care, which encompasses personal health promotion, child and adolescent health concerns, and various medical services, treatments, instruments, and technologies. 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*

**Health Care, Grade 11, College Preparation** (TPJ 3C)

This course focuses on the development of knowledge and skills that will benefit students planning a career in the health care field. Students will learn about human anatomy and physiology, homeostasis, vital signs, disease prevention and treatment, how lifestyle choices affect health and well-being, and conventional and complementary methods of disease prevention and treatment. Students will develop an awareness of health and safety issues, environmental and societal issues related to health care, and career opportunities in the field.

*Prerequisite: None*

**Health Care, Grade 11, University/College Preparation** (TPJ 3M)

This course focuses on the development of knowledge and skills that will benefit students planning a career in the health care field. Students will learn about human anatomy and physiology, homeostasis, vital signs, disease prevention and treatment, how lifestyle choices affect health and well-being, and conventional and complementary methods of disease prevention and treatment. Students will develop an awareness of workers’ health and safety issues, environmental and societal issues related to health care, and career opportunities in the field.

*Prerequisite: None*

**Health Care, Grade 12, College Preparation** (TPJ 4C)

This course focuses on the development of clinical skills needed to assess general health status. Students will learn about accepted health care practices and about how to perform various basic procedures, using appropriate instruments and equipment. They will learn about the human immune system, pathology, and disease prevention and treatment. Students will also expand their awareness of workers’ health and safety issues, environmental and societal issues related to health care, and postsecondary destinations in the field.

*Prerequisite: Health Care, Grade 11, College Preparation*
Health Care,  
Grade 12, University/College Preparation  (TPJ 4M)  
This course focuses on the development of clinical skills needed to assess general health status. Students will learn about accepted health care practices and about how to perform various procedures, using appropriate instruments and equipment. They will learn about the human immune system, pathology, and disease prevention and treatment. Students will also expand their awareness of workers’ health and safety issues, environmental and societal issues related to health care, and postsecondary destinations in the field.  
Prerequisite: Health Care, Grade 11, University/College Preparation

Child Development and Gerontology,  
Grade 12, College Preparation  (TOJ 4C)  
This course enables students to examine the stages of child development and the aging process. Students will study the processes of disease and factors contributing to health and well-being in early and later life, and will develop skills required to meet the needs of children and older adults (care skills). Students will also learn about legislation governing the care of children and older adults; evaluate social and recreational activities, programs, and services for improving quality of life; and develop an awareness of health and safety issues, environmental and social issues, and career opportunities related to child care and gerontology.  
Prerequisite: None

Health Care: Support Services,  
Grade 12, Workplace Preparation  (TPJ 4E)  
This course enables students to develop the basic skills needed for careers in a range of health care support services. Students will practise and apply a variety of clinical procedures and infection control skills as they learn about principles of infection control, service excellence, and the nature of the health care industry. Students will also investigate workers’ health and safety issues, environmental and societal issues related to health care, and career opportunities in the field.  
Prerequisite: None

Hospitality and Tourism  
Exploring Hospitality and Tourism  (TFJ 1O)  
This exploratory 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.  
Prerequisite: None

Hospitality and Tourism,  
Grade 10, Open  (TFJ 2O)  
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

Hospitality and Tourism,  
Grade 11, Workplace Preparation  (TFJ 3E)  
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
Hospitality and Tourism, Grade 11, College Preparation (TFJ 3C)
This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry.

Prerequisite: None

Hospitality and Tourism, Grade 12, Workplace Preparation (TFJ 4E)
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

Hospitality and Tourism, Grade 12, College Preparation (TFJ 4C)
This course enables students to further develop knowledge and skills related to the various sectors of the tourism industry. Students will demonstrate advanced food preparation and presentation skills; increase health and wellness knowledge; develop tourism administration and management skills; design and implement a variety of events or activities; and investigate principles and procedures that contribute to high-quality customer service. Students will expand their awareness of health and safety issues, environmental and societal issues, and career opportunities in the tourism industry.

Prerequisite: Hospitality and Tourism, Grade 11, College Preparation

Manufacturing Technology

Exploring Manufacturing Technology (TMJ 1O)
This exploratory course introduces students to concepts and skills related to manufacturing technology, which encompasses technical drawing, properties and preparation of materials, manufacturing techniques, and control systems. 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

Manufacturing Technology, Grade 10, Open (TMJ 2O)
This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or injection moulding. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary and postsecondary pathways leading to careers in the industry.

Prerequisite: None

Manufacturing Technology, Grade 11, Workplace Preparation (TMJ 3E)
This hands-on, project-based course is designed for students planning to enter an occupation or apprenticeship in manufacturing directly after graduation. Students will work on a variety of manufacturing projects, developing knowledge and skills in design, fabrication, and problem solving and using tools and equipment such as engine lathes, milling machines, and welding machines. In addition, students may have the opportunity to acquire industrystandard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary school pathways that lead to careers in the industry.

Prerequisite: None
Manufacturing Technology, Grade 11, College Preparation (TMJ 3C)
This course enables students to develop knowledge and skills through hands-on, project-based learning. Students will acquire design, fabrication, and problem-solving skills while using tools and equipment such as lathes, mills, welders, computer-aided machines, robots, and control systems. Students may have opportunities to obtain industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.
Prerequisite: None

Manufacturing Engineering Technology, Grade 11, University/College Preparation (TMJ 3M)
This course enables students to develop knowledge and skills related to design, process planning, control systems, and quality assurance. Students will use a broad range of tools and equipment and will combine modern manufacturing techniques and processes with computer-aided manufacturing as they develop critical decision-making, problem-solving, and project-management skills. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.
Prerequisite: None

Manufacturing Technology, Grade 12, Workplace Preparation (TMJ 4E)
This project-driven, hands-on course builds on students’ experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of engine lathes, milling machines, welding machines, and other related tools and equipment as they design and fabricate solutions to a variety of technological challenges in manufacturing. Students may have opportunities to acquire industry-standard training and certification. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry.
Prerequisite: Manufacturing Technology, Grade 11, Workplace Preparation

Manufacturing Technology, Grade 12, College Preparation (TMJ 4C)
This course enables students to further develop knowledge and skills related to machining, welding, print reading, computer numerical control (CNC), robotics, and design. Students will develop proficiency in using mechanical, pneumatic, electronic, and computer control systems in a project-based learning environment and may have opportunities to obtain industry-standard training and certification. Students will expand their awareness of environmental and societal issues and career opportunities in the manufacturing industry.
Prerequisite: Manufacturing Technology, Grade 11, College Preparation

Manufacturing Engineering Technology, Grade 12, University/College Preparation (TMJ 4M)
This course enables students to further develop knowledge and skills related to design, process planning, control systems, project management, quality assurance, and business operations. Students will use a broad range of tools and equipment, enhance their skills in computer-aided design, and collaborate in managing a project. Students will critically analyze and solve complex problems involved in manufacturing products. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry.
Prerequisite: Manufacturing Engineering Technology, Grade 11, University/College Preparation

Technological Design
Exploring Technological Design (TDJ 1O)
This exploratory course introduces students to concepts and skills related to technological design, which involves the development of solutions to various design challenges and the fabrication of models or prototypes of those solutions. 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
Technological Design, Grade 10, Open (TDJ 2O)
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

Technological Design and the Environment, Grade 11, Open (TDJ 3O)
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

Technological Design, Grade 11, University/College (TDJ 3M)
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

Technological Design in the Twenty-first Century, Grade 12, Open (TDJ 4O)
This course focuses on the relationship between society and technological development. Students will use appropriate tools, techniques, and strategies to research, design, build, and assess prototypes for products and/or processes that respond to society’s changing needs. Students will describe how social factors, including culture, media, politics, religion, and environmental concerns, influence technological design. Students will also learn about professional practices in the field, and will research postsecondary pathways leading to careers related to technological design.

Prerequisite: None

Technological Design, Grade 12, University/College (TDJ 4M)
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

Exploring Transportation Technology (TTJ 1O)
This exploratory course introduces students to concepts and skills related to transportation technology, which encompasses the maintenance, servicing, and repair of various types of vehicles, aircraft, and/or watercraft. 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
Transportation Technology, Grade 10, Open (TTJ 2O)

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

Transportation Technology: Vehicle Ownership, Grade 11, Open (TTJ 3O)

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

Prerequisite: None

Transportation Technology, Grade 11, College Preparation (TTJ 3C)

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

Prerequisite: None

Transportation Technology: Vehicle Maintenance, Grade 12, Workplace Preparation (TTJ 4E)

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

Prerequisite: None

Transportation Technology, Grade 12, College Preparation (TTJ 4C)

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

Prerequisite: Transportation Technology, College Preparation, Grade 11