Chart Your Course

Course Descriptions and Prerequisites

The Arts
Business Studies
Canadian & World Studies
Classical Studies & International Languages
Computer Studies
English
English as a Second Language & English Literacy Development
French as a Second Language
Guidance and Career Education & Special Education
Health & Physical Education
Indigenous Education
Interdisciplinary Studies
Mathematics
Science
Social Sciences & Humanities
Technological Education
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

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 of 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

Dance – Focus for grades 9-12:

ATB  Dance – Ballet
ATE  Dance – Composition
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.
The Arts

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

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

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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 their understanding of musical 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 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 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 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 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

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

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

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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 art form (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, jewelry design, and/or web design.
Prerequisite: Visual Arts, Grade 11, Open

** New Course Title

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**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.

- **Introduction to Business**
  Grade 9 or 10, Open
  BBI 1O/2O

- **Information and Communication Technology in Business**
  Grade 9 or 10, Open
  BBI 1O/2O

- **Financial Accounting Fundamentals**
  Grade 11, University/College
  BAF 3M

- **Accounting Essentials**
  Grade 11, Workplace
  BAI 3E

- **Marketing: Goods, Services, Events**
  Grade 11, College
  BMI 3C

- **Marketing: Retail and Service**
  Grade 11, Workplace
  BMX 3E

- **Entrepreneurship: The Venture**
  Grade 11, College
  BDI 3C

- **Entrepreneurship: The Enterprising Person**
  Grade 11, Open
  BDP 3O

- **Entrepreneurship: Venture Planning in an Electronic Age**
  Grade 12, College
  BDV 4C

- **International Business Fundamentals**
  Grade 12, University/College
  BBB 4M

- **International Business Essentials**
  Grade 12, Workplace
  BBB 4E

- **Information and Communication Technology: The Digital Environment**
  Grade 11, Open
  BTA 3O

- **Information and Communication Technology in the Workplace**
  Grade 12, Workplace
  BTX 4E

- **Information and Communication Technology: Multimedia Solution**
  Grade 12, College
  BTX 4C

- **Financial Accounting Principles**
  Grade 12, University/College
  BAT 4M

- **Accounting for a Small Business**
  Grade 12, Workplace
  BAN 4E

- **Business Leadership: Management Fundamentals**
  Grade 12, University/College
  BOH 4M
Business Studies

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 expands students’ knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations.  
Prerequisite: Financial Accounting Fundamentals, Grade 11, University/College 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 practiced 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 enterprising 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: None

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

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 analyze the role of a leader in business with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized.
Prerequisite: None

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.
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 End of the Fifteenth Century**
  Grade 11, University/College
  CHW 3M

- **Canada: History, Identity and Culture**
  Grade 12, University
  CHI 4U

- **World History since the Fifteenth Century**
  Grade 12, University
  CHY 4U

- **World History since the Fifteenth Century**
  Grade 12, College
  CHY 4C

- **Any university or university/College preparation course**
  in Canadian and world studies, English, or social sciences and humanities

- **Any college preparation course**
  in Canadian and world studies, English, or social sciences and humanities

- **Origins and Citizenship: The History of a Canadian Ethnic Group**
  Grade 11, Open
  CHE 30

- **World History since 1900: Global and Regional Interactions**
  Grade 11, Open
  CHT 30

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

**Canadian History since World War 1**
Grade 10, Academic
CHC 2D

**Canadian History since World War 1**
Grade 10, Applied
CHC 2P

A locally developed Grade 10 course in Canadian history
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**

- **Canadian History since World War 1**
  - Grade 10, Academic
  - CHC 2D

- **Canadian History since World War 1**
  - Grade 10, Applied
  - CHC 2P

- A locally developed Grade 10 course in Canadian history

**Law**

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

**Politics**

- **Politics in Action: Making Change**
  - Grade 11, Open
  - CPC 30

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

**The Individual and the Economy**

- Grade 11, University/College
- CIE 3M

**Analysing Current Economic Issues**

- Grade 12, University
- CIA 4U

**Making Personal Economic Choices**

- Grade 12, Workplace
- CIC 4E

**Understanding Everyday Law in Canada**

- Grade 11, Workplace
- CLU 3E

**Canadian and International Law**

- Grade 12, University
- CLN 4U

**Legal Studies**

- Grade 12, College
- CLN 4C

**Canadian and International Politics**

- Grade 12, University Preparation
- CPW 4U
Economics

The Individual and the Economy, Grade 11, University/College Preparation (CIE 3M)
This course explores issues and challenges faced by the Canadian economy as well as the implications of various economic trade-offs, growth, and sustainability and related economic issues.
Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities

Making Personal Economic Choices, Grade 12, Workplace Preparation (CIC 4E)
This course provides students with a fundamental understanding of a variety of key economic issues and practices, helping them develop their ability to make informed economic choices in their day-to-day lives. Students will examine practical financial matters, such as personal budgeting, taxes, credit and debt, and savings and investment, as well as various economic issues, such as those related to the underground economy, economic inequities, and consumer behaviour. Students will apply the concepts of economic thinking, the economic inquiry process, and economic models to investigate various economic issues and structures and to analyse the impact of economic decisions, including their own decisions, at the individual, community, and national level.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

Geography

Issues in Canadian Geography, Grade 9, Academic (CGC 1D)
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 in which to live.
Prerequisite: None

Issues in Canadian Geography, Grade 9, Applied (CGC 1P)
This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore issues relating to food and water supplies, competing land uses, interactions with the natural environment, and other topics relevant to sustainable living in Canada. They will also develop an awareness of issues that affect their lives in Canada are interconnected with issues in other parts of the world. Throughout the course, students will use the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations.
Prerequisite: None

Regional Geography, Grade 11, University/College Preparation (CGD 3M)
This course explores interrelationships between the land and people in a selected region as well as interconnections between this region and the rest of the world. Students will explore the region’s environmental, socio-economic, and cultural characteristics and will investigate issues related to natural resources, economic development and sustainability, population change, globalization, and quality of life. Students will apply the concepts of geographic thinking and the geographic inquiry process,
including spatial technologies, to investigate a range of geographic issues in the region.

**Note:** This course is developed and delivered with a focus, to be determined by the school, on the geography of a selected region of the world.

**Prerequisite:** Issues in Canadian Geography, Grade 9, Academic or Applied

**Forces of Nature: Physical Processes and Disasters, Grade 11, University/College Preparation** *(CGF 3M)*

In this course, students will explore physical processes related to the earth’s water, land, and air. They will investigate how these processes shape the planet’s natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them.

**Prerequisite:** Issues in Canadian Geography, Grade 9, Academic or Applied

**Introduction to Spatial Technologies, Grade 11, Open** *(CGT 3O)*

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 technologies. 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 maps and aerial photographs. Throughout the course, students’ local context is emphasized.

**Prerequisite:** Issues in Canadian Geography, Grade 9, Academic or Applied

**Travel and Tourism: A Geographic Perspective, Grade 11, Open** *(CGG 3O)*

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** *(CGW 4U)*

In this course, students will address the challenge of creating a more sustainable and equitable world. They will explore issues involving a wide range of topics, including economic disparities, threats to the environment, globalization, human rights, and quality of life, and analyse government policies, international agreements, and individual responsibilities relating to them. Students will apply the concepts of geographic thinking and the geographic inquiry process, including the use of spatial technologies, to investigate these complex issues and their impacts 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** *(CGW 4C)*

This course explores the many difficult challenges facing Canada and the world today – challenges such as unequal access to food, water, and energy; urbanization; globalization; and meeting the needs of a growing world population while ensuring the sustainability of the natural environment. Students will explore these and other world issues from environmental, social, economic, and political perspectives, while applying the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations.

**Prerequisite:** Issues in Canadian Geography, Grade 9, Academic or Applied

**World Geography: Urban Patterns and Population Issues, Grade 12, University/College Preparation** *(CGU 4M)*

The world’s population is growing, it is moving and intermixing, and it is increasingly found in cities. This course explores these changes and the challenges that come with them. Students will investigate the forces that are shaping the world’s communities, the patterns of interaction between these communities, the quality of life within them, and their impact on the world around them. Students will apply the concepts of geographic thinking, the geographic inquiry process, and spatial skills and technologies as they investigate issues related to population change and urban life and propose ways of enhancing the sustainability of communities 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** (CGR 4E)
This course examines the impact of human activity on the natural environment. Students will explore the use of natural spaces and resources and the effects of planning decisions and consumer choices on 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, in the workplace, and in the local community.
Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied

**The Environment and Resource Management,**
**Grade 12, University/College Preparation** (CGR 4M)
This course investigates interactions between natural and human systems, with a particular emphasis on the impacts of human activity on ecosystems and natural processes. Students will use the geographic inquiry process, apply the concepts of geographic thinking, and employ a variety of spatial skills and technologies to analyse these impacts and propose ways of reducing them. In the course of their investigations, they will assess resource management and sustainability practices, as well as related government policies and international accords. They will also consider questions of individual responsibility and environmental stewardship as they explore ways of developing a more sustainable relationship with the environment.
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** (CGO 4M)
This course provides a foundation for students who are considering pursuing a career that requires hands-on knowledge of computer-based spatial technologies. Students will analyse and propose solutions to real-life issues related to spatial organization, such as determining transportation routes, appropriate locations 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. Throughout the course, 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

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**History**

**Canadian History since World War I**
**Grade 10, Academic** (CHC 2D)
This course explores social, economic, and political developments and events and their impact on the lives of individuals and communities including First Nations, Métis, and Inuit individuals and communities 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 identities, citizenship, and heritage in Canada. Students will develop an understanding of some of the political developments and government policies that have had a lasting impact on First Nations, Métis, and Inuit individuals and communities. 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** (CHC 2P)
This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada, including First Nations, Métis, and Inuit individuals and communities, since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to heritage and identities in Canada. Students will develop an understanding of some key political developments and government policies that have had an impact on First Nations, Métis, and Inuit individuals and communities. 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 the continued relevance of historical developments and how they have helped shape communities in present-day Canada.
Prerequisite: None
American History, Grade 11, University/College Preparation (CHA 3U)
This course explores key aspects of the social, economic, and political development of the United States from precontact to the present. Students will examine the contributions of groups and individuals to the country’s evolution and will explore the historical context of key issues, trends, and events that have had an impact on the United States, its identity and culture, and its role in the global community. 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 various forces that helped shape American history.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

World History since 1900: Global and Regional Interactions, Grade 11, Open (CHT 3O)
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, the impact of significant individuals and social movements, and the effects of social, economic, and political developments around the world. 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 interactions within and between nations and other 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 locally developed compulsory course (LDCC)

Origins and Citizenship: The History of a Canadian Ethnic Group, Grade 11, Open (CHE 3O)
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 the decision of members of this group to emigrate, their historical experiences in Canada, and their contributions to Canadian identity and heritage. Students will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating various aspects of the group’s history.
Note: This course is to be 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. However, with the school’s approval, teachers may wish to allow some students to focus on one group, while other students focus on a different group.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or locally developed compulsory course (LDCC)

World History to the End of the Fifteenth Century, Grade 11, University/College Preparation (CHW 3M)
This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. 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

Canada: History, Identity, and Culture, Grade 12, University Preparation (CHI 4U)
This course traces the history of Canada, with a focus on the evolution of our national identity and culture as well as the identity and culture of various groups that make up Canada. 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 identity and heritage in Canada. Students will investigate the development of culture and identity, including national identity, in Canada and how and why they have 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: Canadian History since World War I, Grade 10, Academic or Applied, or locally developed compulsory course (LDCC)

World History since the Fifteenth Century, Grade 12, University Preparation (CHY 4U)
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 ideas 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 (CHY 4C)
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 (CHM 4E)
This course examines significant developments and events in world history from earliest times to the present. Students will explore a variety of social, cultural, economic, and political developments in different regions of the world and during different periods. In addition to investigating how conflict, religion, work, and technology have helped shape people’s lives, students will examine the contributions of some significant individuals to our global heritage. 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 locally developed compulsory course (LDCC)

Law

Understanding Canadian Law, Grade 11, University/College Preparation (CLU 3M)
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 laws relating to rights and freedoms in Canada; our legal system; and family, contract, employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them.

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

Understanding Everyday Law in Canada, Grade 11, Workplace Preparation (CLU 3E)
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 criminal offences. Students will begin to develop legal reasoning skills and will apply the concepts of legal thinking and the inquiry process when investigating legal issues that are relevant to life in Canada today.

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

Canadian and International Law, Grade 12, University Preparation (CLN 4U)
This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts.

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 (CLN 4C)
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 relevance to daily life. They will investigate the 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 studies inquiry process to investigate their rights and responsibilities, legal processes and structures, and the role of law in a changing society. Prerequisite: Civics and Citizenship, Grade 10, Open
Politics

Civics and Citizenship,
Grade 10, Open (CHV 2O)
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 (CPC 3O)
This course enables students to develop plans for change in the local, national, and/or global community. Students will explore various issues, investigating their causes as well as their impact, and determining where change is needed, and why. They will examine the effectiveness of various problem-solving strategies used by individuals and groups that have brought about and/or are attempting to bring about political change in democratic societies. In addition, students will analyse the role and perspectives of governments and other stakeholders in relation to issues of political importance and will consider factors affecting their own and others’ political engagement. Students will apply the concepts of political thinking and the political inquiry process as they investigate various issues of political importance and develop a plan of action to address a selected issue.
Prerequisite: Civics and Citizenship, Grade 10, Open

Canadian and International Politics,
Grade 12, University Preparation (CPW 4U)
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 governments, multinational corporations, and non-governmental organizations, respond to and work to address domestic and international issues. Students will apply the concepts of political thinking and the political inquiry process to investigate issues, events, and developments of national and international political importance, and to develop and communicate informed opinions about them. Prerequisite: Any university or college preparation course in Canadian and world studies, English, or social sciences and humanities
**Prerequisite Charts for Computer Studies**

## 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 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
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

Note: Students who take the Grade 11 Native Studies 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.

Note: As stated in The Ontario Curriculum Grades 9 to 12 Course Descriptions and Prerequisites (2011), “a student who has been eligible to write the Ontario Secondary School Literacy Test (OSSLT) at least twice and who has been unsuccessful at least once is eligible to enroll in the Ontario Secondary School Literacy Course (OSSL). A student may be permitted to take the OSSL before he or she has had a second opportunity to take the OSSLT, if the principal determines that it is in the best educational interests of the student to do so. Under special circumstances, and at the discretion of the principal, a student who has already met the literacy requirement for graduation purposes may be eligible to take the course. A mature student may enroll directly in the OSSL without first attempting the OSSLT (for the definition of the term mature student, see Policy/Program Memorandum No. 127, “The Secondary School Literacy Graduation Requirement”, August 7, 2009)” (p.43).
## 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
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.
ESL & ELD Programs

ESL and ELD curriculum expectations are designed to support English Language Learners (ELLs) as they attain proficiency in everyday English and, especially, academic English. Acquisition of academic language skills supports ELLs as they successfully integrate into the mainstream school program and participate fully in the life of the school. An effective curriculum for ELLs integrates academic language and literacy skills with subject-matter concepts and critical-thinking skills from the very beginning levels of instruction, so that students can gain as much momentum as possible as they progress to full participation in mainstream classes.

ESL and ELD courses aim to help ELLs become successful students who can:
- Use English to communicate effectively in a variety of social settings;
- Use English to achieve academically in all subject areas;
- Take charge of their own learning, independently and in groups;
- Select and use effective learning strategies;
- Integrate confidently into mainstream courses;
- Use English effectively to advocate for themselves in all areas of their lives;
- Make a successful transition to their chosen post-secondary destination (apprenticeship, college, university, work);
- Function effectively in a society increasingly committed to the use of information technology;
- Use critical-literacy and critical-thinking skills to interpret the world around them;
- Participate fully in the social, economic, political, and cultural life of their communities and of Canada.

English as a Second Language

ESL courses are designed for students whose first language is a language other than English or a variety of English significantly different from that used for instruction in Ontario schools. Students in these programs have age-appropriate first language skills and educational backgrounds. As such, they can usually build on their existing first language skills when learning English in an ESL program.

Students enrolled in ESL courses may be entering secondary school from an elementary school, from a different secondary school located in another board/region in Canada, or from another country. Depending of the students’ previous experience with English, they may be placed in one of five levels: ESL AO, BO, CO, DO or EO.

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: ESL AO 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: ESL BO 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: ESL CO 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: ESL DO 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**

ELD courses are designed for students whose first language is a language other than English or a variety of English significantly different from that used for instruction in Ontario schools. Students in these programs have limited prior schooling and thus, have not developed age-appropriate first language skills and educational backgrounds. As such, they benefit from the accelerated approach to literacy development offered by our regional program.

Students enrolled in ELD courses may be entering secondary school from an elementary school, a different secondary school within another board/region in Canada, or from another country. Depending on the student’s previous experience with English, first language literacy skills, and knowledge of English, they may be placed in one of the following levels: ELD AO, BO, CO, DO or EO.

**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: ELD AO 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 diversity culture and citizenship.
*Prerequisite: ELD BO 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: ELD CO 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: ELD DO 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**

**Notes:**
1. The prerequisite for Grade 9 Extended French is the elementary Extended French program or the elementary French Immersion program, or equivalent.
2. 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.
3. The FSF1O course is intended for any student who does not meet the 600 prerequisite hours for grade 9 Core French Academic or Applied.
Core French, Grade 9, Academic (FSF 1D)
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 develop their skills in listening, speaking, reading, and writing 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 skills necessary for lifelong language learning.
Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent

Core French, Grade 10, Academic (FSF 2D)
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 develop their skills in listening, speaking, reading, and writing 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 develop skills necessary for lifelong language learning.
Prerequisite: Core French, Grade 9, Academic or Applied

Core French, Grade 9, Applied (FSF 1P)
This course provides opportunities for students to communicate and interact in French in structured situations, with a focus on everyday topics, and to apply their knowledge of French in everyday situations. Students will develop listening, speaking, reading, and writing 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 skills necessary for lifelong language learning.
Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent

Core French, Grade 10, Applied (FSF 2P)
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 develop their skills in listening, speaking, reading, and writing through using language learning strategies for understanding texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: Core French, Grade 9, Academic or Applied

Core French, Grade 9, Open (FSF 1O)
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 skills in listening, speaking, reading, and writing through discussing issues and situations 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 for lifelong language learning.
Prerequisite: None

Core French, Grade 10, Open (FSF 2O)
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 develop a general understanding and appreciation of diverse French-speaking communities, as well as skills necessary for lifelong language learning.
Prerequisite: Core French, Grade 9, Open

Core French, Grade 11, University Preparation (FSF 3U)
This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their
listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: Core French, Grade 10, Academic

Core French, Grade 11, Open (FSF 3O)
This course provides opportunities for students to speak and interact in French in real-life situations. Students will develop their ability to communicate, making connections to previous experiences and using newly acquired skills in listening, speaking, reading, and writing. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

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

Core French, Grade 12, University Preparation (FSF 4U)
This course provides extensive opportunities for students to speak and interact in French independently. Students will develop their listening, speaking, reading, and writing skills, apply language learning strategies in a wide variety of real-life situations, and develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: Core French, Grade 11, University Preparation

Core French, Grade 12, Open (FSF 4O)
This course provides a variety of opportunities for students to speak and interact in French. Students will develop their listening, speaking, reading, and writing skills, use language-learning strategies in a variety of real-life situations and personally relevant contexts, and develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

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

Extended French

Extended French, Grade 9, Academic (FEF 1D)
This course provides opportunities for students to speak and interact in French in a variety of real-life and personally relevant contexts. Students will develop their skills in listening, speaking, reading, and writing by using 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. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: Minimum of 1260 hours of instruction in elementary Extended French, or equivalent

Extended French, Grade 10, Academic (FEF 2D)
This course provides extensive opportunities for students to use their communication skills in French and to apply language learning strategies. Students will develop their skills in listening, speaking, reading, and writing by responding to and interacting 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 French language through the study of French authors. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: Extended French, Grade 9, Academic

Extended French, Grade 11, University Preparation (FEF 3U)
This course provides opportunities for students to communicate about concrete and abstract topics in various situations. Students will consolidate and refine their skills in listening, speaking, reading, and writing by applying language learning strategies, as well as creative and critical thinking skills, in a variety of real-life contexts. Students will develop their knowledge of the French language through the study of contemporary French authors and well-known French European authors. They will also deepen their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: Extended French, Grade 10, Academic
French as a Second Language

Extended French, Grade 12, University Preparation (FIF 4U)
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 in listening, speaking, reading, and writing, 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 French language through the study of Canadian and international French literature. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: Extended French, Grade 11, University Preparation

French Immersion

French Immersion, Grade 9, Academic (FIF 1D)
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 skills in listening, speaking, reading, and writing, as well as 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 French language through the study of French Canadian literature. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: Minimum of 3800 hours of instruction in elementary French Immersion, or equivalent

French Immersion, Grade 9, Applied (FIF 1P)
This course provides opportunities for students to communicate and exchange information in French in a variety of real-life situations, with support as appropriate. Students will develop the key listening, speaking, reading, and writing skills introduced in the elementary French Immersion program. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: Minimum of 3800 hours of instruction in elementary French Immersion, or equivalent

French Immersion, Grade 10, Academic (FIF 2D)
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 French literature and historically well-known French European literature. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: French Immersion, Grade 9, Academic or Applied

French Immersion, Grade 10, Applied (FIF 2P)
This course emphasizes the development and use of skills and strategies in communication and interaction 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 increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: French Immersion, Grade 9, Academic or Applied

French Immersion, Grade 11, University Preparation (FIF 3U)
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 use their skills in listening, speaking, reading, and writing and apply language learning strategies while exploring a variety of concrete and abstract topics. Students will increase their knowledge of the French language through the study of French literature from around the world. They will also deepen their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: French Immersion, Grade 10, Academic

French Immersion, Grade 11, Open (FIF 3O)
This course provides opportunities for students to speak and interact in French in real-life situations for practical purposes. Students will develop their skills in listening, speaking, reading, and writing, and will explore and create a variety of texts, with a particular focus on using skills related to the study of French that can be applied in the
workplace and beyond. Students will also deepen their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: French Immersion, Grade 10, Academic or Applied

French Immersion, Grade 12, University Preparation (FIF 4U)
This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will consolidate their listening, speaking, reading, and writing skills and apply language learning strategies 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 enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: French Immersion, Grade 11, University Preparation

French Immersion, Grade 12, Open (FIF 4O)
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 in listening, speaking, reading, and writing, using French in real-life contexts and new and familiar situations. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: French Immersion, Grade 11, University or Open
Prerequisite Chart for Guidance and Career Education

- **Discovering the Workplace**
  - Grade 10, Open
  - GLD 2O

- **Designing our Future**
  - Grade 11, Open
  - GLN 3O

- **Navigating the Workspace**
  - Grade 12, Open
  - GLN 4O

- **Career Studies** (compulsory)
  - Grade 10, Open
  - GLC 2O

- **Leadership and Peer Support**
  - Grade 11, Open
  - GPP 3O

- **Advanced Learning Strategies: Skills for Success After Secondary School**
  - Grade 12, Open
  - GLS 4O or GLE 4O

- **Creating Opportunities Through Co-op**
  - Grade 11, Open
  - DCO 3O

- **Learning Strategies 1: Skills for Success in Secondary School**
  - Grade 9, Open
  - GLS 1O or GLE 1O

- **Advanced Learning Strategies: Skills for Success in Secondary School**
  - Grade 10, Open
  - GLE 2O
Guidance and Career Education

Learning Strategies 1: Skills for Success in Secondary School,
Grade 9, Open (GLS 1O/GLE 1O/GLE 2O)
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 4O/GLE 4O/GLE 3O)
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 gain successful employment. Students will develop an understanding of work through practical, hands-on experiences in the school and in the community, using real workplace materials. They will 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

Creating Opportunities Through Co-op
Grade 11, Open (DCO 3O)
This course consists of a community-connected experience and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students in their learning at school and beyond, today and in the future, as well as in their education and career/life planning. Within the context of the community
connected experience, students will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being and that will strengthen their inquiry, decision-making, and leadership skills. Students will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.

*Prerequisite: None*
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
Prerequisite Chart for Health & 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.
Health and Physical Education

Healthy Active Living Education,
Grade 9, Open (PPL 10)
This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

Healthy Active Living Education,
Grade 10, Open (PPL 20)
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

Healthy Active Living Education,
Grade 11, Open (PPL 30)
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

Health for Life,
Grade 11, College Preparation (PPZ 3C)
This course enables students to examine the factors that influence their own health practices and behaviours as well as those factors that contribute to the development of healthy communities. It emphasizes the concept of wellness, which addresses all aspects of well-being—physical, cognitive, emotional, spiritual and social—and promotes healthy eating, physical activity, and building and maintaining a positive sense of self. Students will develop the skills necessary to make healthy choices and create a personal wellness plan. They will also design initiatives that encourage others to lead healthy, active lives. The course prepares students for college programs in health sciences, fitness, wellness, and health promotion.
Prerequisite: None

Healthy Active Living,
Grade 12, Open (PPL 40)
This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

Introductory Kinesiology,
Grade 12, University Preparation (PSK 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 sport, and the physiological, psychological, and social factors that influence an individual’s participation in physical activity and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration.
Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 course in health and physical education.
Recreation and Healthy Active Living Leadership, Grade 12, University/College Preparation  (PLF 4M)

This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical education and health and kinesiology and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership.

Prerequisite: Any health and physical education course

Options for grades 9-12:

PAD  Outdoor Activities
PAF  Personal and Fitness Activities
PAI  Individual and Small Group Activities
PAL  Large Group Activities
PAQ  Aquatic Activities
PAR  Rhythm and Movement Activities

NOTE: A student may take more than one Healthy Active Living Education course for credit in the same grade.
Course Chart for Indigenous Education

This chart maps out all of the courses in the discipline by subject and grade, and indicates possible movement from course to course. It does not attempt to depict all possible movements from course to course.

- English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11, University Preparation NBE 3U
- English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11, College Preparation NBE 3C
- English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11, Workplace Preparation NBE 3E
- World Views and Aspirations of First Nations, Métis, and Inuit Peoples in Canada, Grade 11, Workplace Preparation NBV 3E
- World Views and Aspirations of First Nations, Métis, and Inuit Peoples in Canada, Grade 11, College Preparation NBV 3C
- Contemporary First Nations, Métis, and Inuit Issues and Perspectives, Grade 11, University/College Preparation NDA 3M
- First Nations, Métis, and Inuit Governance in Canada, Grade 12, University/College Preparation NDG 4M
- Contemporary Indigenous Issues and Perspectives in a Global Context, Grade 12, University/College Preparation NDW 4M
- Any Grade 11 university, university/college, or college preparation course in Social Sciences and Humanities
- Any Grade 11 university, university/college, or college preparation course in Canadian and World Studies

Note: The Grade 9 course Expressions of First Nations, Métis, and Inuit Cultures may be used to meet the compulsory credit requirement in the arts.
Students who take the Grade 11 course English: Contemporary First Nations, Métis, and Inuit Voices (university, college, or workplace preparation) may use the credit earned for this course to meet the Grade 11 English compulsory credit requirement.
Indigenous Education

Course Descriptions for Indigenous Education

Note: The curriculum policy document for First Nations, Métis, and Inuit Studies, Grades 9 to 12, is currently in revision. Course names and course descriptions may be updated during the review process.

Expressions of First Nations, Métis, and Inuit Cultures, Grade 9, Open (NAC 1O)
This course explores various arts disciplines (dance, drama, installation and performance art, media arts, music, storytelling, utilitarian or functional art, visual arts), giving students the opportunity to create, modify, present, and analyse art works, including integrated art works/productions, that explore or reflect First Nations, Métis, and Inuit perspectives and cultures. Students will examine the interconnected relationships between art forms and individual and cultural identities, histories, values, protocols, and ways of knowing and being. They will demonstrate innovation as they learn and apply art-related concepts, methods, and conventions, and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to creative arts challenges.
Prerequisite: None

First Nations, Métis, and Inuit in Canada, Grade 10, Open (NAC 2O)
This course explores the histories of First Nations, Métis, and Inuit in Canada from precontact to the present day. Students will examine the continuing impact of past social, cultural, economic, political, and legal trends and developments on First Nations, Métis and Inuit individuals and communities. Students will apply the concepts of historical thinking and the historical inquiry process to investigate a range of issues, events, and interactions that have affected First Nations, Métis, and Inuit individuals and communities, including those that continue to affect relations between Indigenous and non-Indigenous peoples in Canada.
Prerequisite: None

English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11, College (NBE 3C)
This course explores themes, forms, and styles of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and 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 English college preparation course.
Prerequisite: English, Grade 10, Academic

English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11, Workplace (NBE 3E)
This course explores themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media texts emerging from First Nations, Métis, and Inuit cultures in Canada, as well as some texts that relate to those cultures. In order to better understand contemporary texts, students will explore connections between traditional and contemporary text forms and cultural and community aspects of identity, relationships, and self-determination, sovereignty or self-governance. Students will also create oral, written, and media texts focusing on the development of literacy, communication, and critical thinking skills necessary for success in the workplace and daily life. The course is intended to prepare students for
the compulsory Grade 12 English workplace preparation course.

Prerequisite: English, Grade 10, Academic or Applied or the Grade 10 locally developed compulsory credit (LDCC) course in English

Contemporary First Nations, Métis, and Inuit Issues and Perspectives,
Grade 11, University/College (NDA 3M)
This course explores existing and emerging issues of local, regional, and national importance to First Nations, Métis, and Inuit in Canada. Students will analyse diverse perspectives on issues and events related to land, community, governance, identity, culture, and global trends. Using the concepts of political thinking and the tools of political inquiry, students will explore their own and others’ ideas and investigate issues to determine what needs to change and why. Students are also given the opportunity to develop their own problem-solving strategies to address an issue of their choice.

Prerequisite: Grade 10 First Nations, Métis and Inuit in Canada, Open, or Grade 10 Canadian History since World War I, Academic or Applied

World Views and Aspirations of First Nations, Métis, and Inuit Communities in Canada, Grade 11, College (NBV 3C)
This course explores the diverse knowledge, world views, and aspirations that shape the actions of First Nations, Métis, and Inuit individuals and communities in Canada. Students will examine the historical and contemporary context of those beliefs, values, aspirations, and actions, including the impact of colonization and decolonization. Students will explore the factors that shape world views to develop an understanding of how acknowledging diverse cultures, values, and ways of knowing contributes to truth, reconciliation, and renewed nation-to-nation relationships. Students are also given the opportunity to develop their own problem-solving strategies to build mutual understanding related to First Nations, Métis, and Inuit world views and aspirations.

Prerequisite: Grade 10 First Nations, Métis, and Inuit in Canada, Open, or Grade 10 Canadian History since World War I, Academic or Applied

World Views and Aspirations of First Nations, Métis, and Inuit Communities in Canada, Grade 11, Workplace (NBV 3E)
This course explores the diverse knowledge, world views, and aspirations that shape the actions of First Nations, Métis, and Inuit individuals and communities in Canada. Students will examine issues of identity facing individuals and communities with respect to changing relationships with the land, nature, one another, and Canada. Students will explore their own world and others’ world views, and the factors that shape world views over time, to develop an understanding of how traditional and contemporary beliefs and values influence the aspirations and practices of First Nations, Métis, and Inuit communities. Students are given the opportunity to develop further understanding about the impacts of colonization and how reconciling diverse knowledge, world views, and aspirations contributes to a call for societal understanding.

Prerequisite: Grade 10 First Nations, Métis and Inuit in Canada, Open, or Grade 10 Canadian History since World War I, Academic or Applied or the Grade 10 locally developed compulsory credit (LDCC) course in history

Contemporary Indigenous Issues and Perspectives in a Global Context, Grade 12, University/College (NDW 4M)
This course examines global issues from the perspectives of Indigenous peoples. Students will explore the depth and diversity of Indigenous cultures, traditions, and knowledge. Students will consider how diverse Indigenous communities persevere despite current global environmental and economic trends, and will investigate topics such as identity, social justice, human rights and abuses, spirituality, resilience, and advocacy for change.

Prerequisite: Any Grade 11 University, University/College, or College Preparation course in First Nations, Métis, and Inuit studies, Canadian and world studies, or social sciences and humanities.

First Nations, Métis, and Inuit Governance in Canada, Grade 12, University/College (NDG 4M)
This course explores aspects of First Nations, Métis, and Inuit governance in Canada as well as laws, policies, and judicial decisions that have affected and continue to affect the lives of Indigenous people in this country. Students will investigate historical and contemporary relations between First Nations, Métis, and Inuit communities and colonial, federal and provincial/territorial governments and will develop their understanding of Indigenous rights in Canada. Students will examine how traditional values and cultural practices inform models of Indigenous governance and leadership as they explore strategies being used to revitalize and strengthen First Nations, Métis, and Inuit sovereignty, self-governance, and self-determination in Canada.

Prerequisite: Any Grade 11 University, University/College, or College Preparation course in First Nations, Métis, and Inuit studies, Canadian and world studies, or social sciences and humanities.
Prerequisite Chart for **Mathematics**

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

**Notes:**
- T – transfer course
- LDCC – locally developed compulsory credit course (LDCC courses are not outlined in this document)
- ---- Indicates a possible pathway based on student’s strengths and needs

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This chart visually represents the prerequisites for various mathematics courses, highlighting the necessary steps for progression within the discipline. Each box represents a course, and the arrows indicate the prerequisites required for advancement. Here are some examples:

- **Calculus and Vectors** (Grade 12, University, MCV 4U)
- **Advanced Functions** (Grade 12, University, MHF 4U)
- **Mathematics of Data Management** (Grade 12, University, MDM 4U)
- **Mathematics for College Technology** (Grade 12, College, MCT 4C)
- **Foundations for College Mathematics** (Grade 12, College, MAP 4C)
- **Mathematics for Work and Everyday Life** (Grade 12, Workplace, MEL 4E)

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**Example Courses:**

- **Principles of Mathematics** Grade 9, Academic (MPM 1D)
- **Foundations of Mathematics** Grade 9, Applied (MFM 1P)
- **Mathematics** Grade 9, LDCC (MAT 1L)
- **Mathematics** Grade 9, LDCC (MAT 2L)
- **Principles of Mathematics** Grade 10, Academic (MPM 2D)
- **Foundations of Mathematics** Grade 10, Applied (MFM 2P)
- **Functions** Grade 11, University (MCR 3U)
- **Functions and Applications** Grade 11, University/College (MCF 3M)
- **Foundations for College Mathematics** Grade 11, College (MBF 3C)
- **Mathematics for Work and Everyday Life** Grade 11, Workplace (MEL 3E)

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**Note:** Advanced Functions (MHF 4U) must be taken prior to or concurrently with Calculus and Vectors (MCV 4U).
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

Mathematics

Grades 10, 11, 12

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

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; and 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

This course introduces basic features of the function by extending students’ experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modeling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to 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

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 variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: Foundations of Mathematics, Grade 10, Applied

Mathematics for Work and Everyday Life

Grade 11, Workplace Preparation

This course enables students to broaden their understanding of mathematics as it is applied in 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

Advanced Functions

Grade 12, University Preparation

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

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

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 science, engineering, economics, and some area of business, including those students who will be required to take a university-level calculus, linear algebra, or physics courses.

Prerequisite: Functions, Grade 11, University Preparation, and the new Advanced Functions course must be taken prior to or concurrently with Calculus and Vectors.

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 and analyzing 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; solve financial problems connected with annuities, budgets, and renting or owning accommodations; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

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

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, and prepare a personal income tax return; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

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

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, 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
Science

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 life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas.
Prerequisite: Science, Grade 10, Applied or Academic

Environmental Science,
Grade 11, Workplace Preparation  (SVN 3E)
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 and Humanities**

This chart maps out all of the courses in the discipline by subject and grade, and indicates possible movement from course to course. It does not attempt to depict all possible movements from course to course.

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<th>Grade 9</th>
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<td>Equity Studies</td>
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| **Family Studies** | | | |
| **Fashion and Housing** | | | |
| Exploring Family Studies | Exploring Family Studies | Understanding Fashion | The World of Fashion |
| HIF 1O | HIF 2O | HNC 3C | HNB 4M *** |
| | | | |
| Clothing | Housing and Home Design | | |
| HNL 2O | HLS 3O | |

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

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## Raising and Caring for Children

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## General Social Sciences

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<td>Challenge and Change in Society HSB 4U **</td>
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## Philosophy

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<td>Philosophy: Questions and Theories HZT 4U **</td>
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## Social Sciences and Humanities

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### Equity Studies

**Equity, Diversity, and Social Justice, Grade 11, Workplace Preparation** (HSE 3E)
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

**Gender Studies, Grade 11, University/College Preparation** (HSG 3M)
This course enables students to explore the social construction of gender. Students will learn about the dynamic nature of gender roles and norms; sexism and power relations; and the impact of representations of women and men in the media, popular culture, and the arts. Students will analyse a range of gender equity issues, including gender-based violence and workplace equity, in both Canadian and global contexts. Students will develop and apply research skills and will design and implement a social action initiative relating to gender equity.

*Prerequisite: None

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A variety of factors on equity and social justice. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity or social justice issue.

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

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2019-2020
Social Sciences and Humanities

World Cultures,
Grade 12, University/College Preparation (HSC 4M)
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 ethno-cultural 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.

Family Studies

Exploring Family Studies,
Grade 9 or 10, Open (HIF 1O/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.

Clothing,
Grade 10, Open (HNL 2O)
This course introduces students to the world of clothing. Students will gain knowledge about clothing and demonstrate basic skills associated with various techniques and technologies used to create garments and accessories. Students will learn about the functions of clothing and accessories and what clothing communicates about the wearer. They will learn how to enhance their personal wardrobe by assessing garment quality and developing shopping strategies, and developing an understanding of the advantages and disadvantages of various retail formats. Students will develop research skills as they investigate topics related to clothing.

Prerequisite: None

Understanding Fashion,
Grade 11, College Preparation (HNC 3C)
This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. In addition, students will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.

Prerequisite: None

Housing and Home Design,
Grade 11, Open (HLS 3O)
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 (HNB 4M)
This course gives students the opportunity to explore the world of fashion. Students will learn how to create a fashion product using various tools, techniques and technologies while developing their practical skills. Students will learn about various factors that affect the global fashion industry, the needs of specialized markets, and the impact of fibre and fabric production and care. In addition, they will learn about social and historical influences on fashion. Students will apply research skills when investigating aspects of the fashion world.

Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.
Food and Nutrition,  
Grade 9 or 10, Open (HFN 1O/HFN2O)  
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 1, University/College Preparation (HFC 3M)  
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 (HFC 3E)  
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 (HFA 4U)  
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 (HFA 4C)  
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 (HFL 4E)  
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

Dynamics of Human Relationships,  
Grade 11, Open (HHD 3O)  
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 (HHS 4U)  
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 (HHS 4C)**

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 (HHG 4M)**

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 (HIP 4O)**

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*

**Working with Infants and Young Children,**

**Grade 11, College Preparation (HPW 3C)**

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 (HPC 3O)**

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 (HPD 4C)**

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 Science

Introduction to Anthropology, Psychology, and Sociology, Grade 11, University Preparation (HSP 3U)
This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science research, and to become familiar with current thinking on a range of issues within the three disciplines.
Prerequisite: The Grade 10 academic course in English or the Grade 10 academic history course (Canadian and world studies)

Introduction to Anthropology, Psychology, and Sociology, Grade 11, College Preparation (HSP 3C)
This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. Students will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.
Prerequisite: None

Challenge and Change in Society, Grade 12, University Preparation (HSB 4U)
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 (HZB 3M)
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 (HZT 4U)
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 (HRT 3M)
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 1, Open (HRF 3O)**
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*
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.

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**Communications Technology**

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**Computer Technology**

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**Construction Technology**

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**Construction Woodworking**

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Exploring Technologies, Grade 9, Open (TIJ 10)
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, Grade 9, Open (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 modeling, 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, animations, 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, Grade 9, Open (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 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: Computer Technology, Grade 11, Workplace Preparation

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 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

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
Exploring Construction Technology
Grade 9, Open (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: Construction Technology, Grade 11, Workplace Preparation

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
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### 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*

### Green Industries

#### Exploring Green Industries
**Grade 9, Open** (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
Grade 9, Open  (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 direct entry 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**  
**Grade 9, Open**  
(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 10, Open**  
(TPJ 2O)

This course introduces students to personal health promotion, child and adolescent health concerns, and a variety of medical services, treatments, and technologies. Students will become familiar with various instruments and equipment and will learn about human anatomy, organs, and body chemistry, as well as the effects that lifestyle choices can have on personal well-being. They will plan recreational activities for youth, perform a dietary analysis, and evaluate health care practices. Students will develop an awareness of environmental and societal issues related to health care and will 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 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*

**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 practice and apply a variety of clinical
Technological Education

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
Grade 9, Open (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, 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 tourism industry.

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
Grade 9, Open (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 molding. 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 industry standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary school pathways that lead to careers in the industry.
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
Technological Education

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, Grade 9, Open (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

2019-2020
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; power trains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

Prerequisite: Transportation Technology, College Preparation, Grade 11