

## Cobourg Collegiate Institute

335 King Street East  
Cobourg, ON  
K9J 1M2

### School History

In 1849, Cobourg's first Grammar School was built. Several years later, Cobourg Collegiate Institute was erected. One hundred and forty-three years later, we celebrate the newly established Cobourg Collegiate Institute. This school has its roots in the rich heritage of this historic Cobourg educational institution. In 2014, Cobourg District Collegiate Institute East closed after 50 years. In 2015, its sister school, Cobourg District Collegiate Institute West closed its doors and the two were joined once again. At Cobourg Collegiate Institute we strive, just as so many of our staff and students before us have done, for excellence, respect and community and we will continue to build on this and other traditions as we continue to build our school together.

### Welcome to CCI!

If you are interested in a dynamic learning environment then CCI is for you! We believe that it is our responsibility to build and maintain a supportive and collaborative culture at our school. We provide support for all learners through a wide variety of programming, including an International Baccalaureate Program, English Language classes, the trades and experiential learning opportunities including cooperative education, Ontario Youth Apprenticeship Program and Specialist High Skills Major, as well as learning life skills. Student life is vibrant thanks to the many clubs and sports teams. A rich drama and music program demonstrate deep commitment to and value for the arts. Student leadership is encouraged and valued here at CCI, and there are formal opportunities through Student Governance. We also offer a GSA, Indigenous Education, and Green Industries. Welcome to a caring atmosphere where staff and administration provide support with the goal of students finding success based on their passions in an ever-changing world.

### Schedule

|                   |                     |
|-------------------|---------------------|
| Entry to Building | 8:00 am             |
| Warning Bell      | 8:10 am             |
| Period 1          | 8:15 am - 9:30 am   |
| Period 2          | 9:35 am - 10:50 am  |
| LUNCH             | 10:50 am - 11:40 am |
| Period 3          | 11:40 am - 12:55 am |
| Period 4          | 1:00 am - 2:15 am   |

### Links to Programs and documents

[School Calendar](#)

[Code of Conduct](#)

[Kawartha Pine Ridge District School Board website](#)

[CCI Special Education department](#)

[International Baccalaureate website](#)

[Specialist High Skills Major website](#)

[Programs in KPR](#)

[French Immersion website](#)

[Diploma Requirements](#)

## **What you need to graduate**

*Please note that in 2025-2026, gr. 9 and 10 students will have different requirements than gr. 11 and 12.*

*\*Gr. 9 and 10 students need 19 compulsory credits and 11 optional credits. The change is that a junior technology credit is now mandatory.*

To earn a high school diploma in Ontario, students must:

- earn 18 compulsory credits
- earn 12 optional credits
- pass the literacy requirement
- earn at least two online learning credits
- complete a minimum of 40 hours of community involvement activities

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### **Compulsory credits**

Students must earn the following 18 compulsory credits to get their Ontario Secondary School Diploma:

- 4 credits in English (1 credit per grade)
- 3 credits in mathematics (at least 1 credit in Grade 11 or 12)
- 3 credits for group 1, 2 and 3 courses (1 credit in each group)
- 2 credits in science
- 1 credit in Canadian history (Grade 10)

- 1 credit in Canadian geography (Grade 9)
- 1 credit in the arts
- 1 credit in health and physical education
- 1 credit in French as a second language
- 0.5 credit in career studies
- 0.5 credit in civics and citizenship

### **Group 1, 2 and 3 compulsory credits**

Of the 18 compulsory credits, students must complete one from each of the following groups:

#### **Group 1:**

- English (including the Ontario Secondary School Literacy Course) or French as a second language
- Native languages
- First Nations, Métis, and Inuit studies
- classical studies and international languages
- social sciences and the humanities
- Canadian and world studies
- guidance and career education
- cooperative education
- American Sign Language as a second language
- Langue des signes québécoise langue seconde

#### **Group 2:**

- health and physical education
- the arts
- business studies
- French as a second language
- cooperative education
- American Sign Language as a second language
- Langue des signes québécoise langue seconde

### Group 3:

- science (Grade 11 or 12)
- technological education
- French as a second language
- computer studies
- cooperative education
- American Sign Language as a second language
- Langue des signes québécoise langue seconde

The following conditions apply to compulsory credit selections from the above three groups:

- In groups 1, 2, and 3, a maximum of two credits in **French as a second language** can count as compulsory credits, one from group 1 and one from either group 2 or group 3.
  - Students who have taken Native languages in place of French as a second language in elementary school may use a Level 1 or 2 Native languages course to meet the compulsory credit requirement for French as a second language.
- A maximum of two credits in **cooperative education** can count as compulsory credits, selected from any of the above three groups.
- The Grade 11 English: Understanding Contemporary First Nations, Métis and Inuit Voices course may be used to meet the Grade 11 English compulsory credit requirement.
- The Grade 9 Expressions of First Nations, Métis, and Inuit Cultures course may be used to meet the compulsory credit requirement in the arts.

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### **Literacy graduation requirement**

Beginning September 2022, the literacy graduation requirement is restored and students graduating in the 2022-23 school year and beyond are required to meet this requirement.

All students must meet the secondary school literacy graduation requirement to earn their high school diploma.

For most students, this means passing the Ontario Secondary School Literacy Test (OSSLT).

Students who do not successfully complete the OSSLT have other opportunities to meet the literacy graduation requirement. Students can contact their school principal to find out about these options.

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### **Online learning graduation requirement**

Beginning with students that entered Grade 9 in the 2020-21 school year, students must earn at least two online learning credits to get their Ontario Secondary School Diploma.

The online learning graduation requirement also applies to adult learners that will be entering the Ontario secondary school system starting in 2023-24 school year.

### **Credits earned during COVID-19**

Students can count **one** secondary school credit that was earned during the province wide school closures (from April 2021 to June 2021) towards the two online learning credits that they need to graduate. This applies to all Grade 9 students who were learning remotely due to the province wide school closures.

### **Opting out**

Parents who wish to opt out or exempt their child from the online graduation requirement must complete the opt-out form available from their child's school board. Exemption from the online learning graduation requirements may be requested by:

- the parent or guardian of the secondary student
- students who are 18 years of age or older
- students who are 16 or 17 years of age and have withdrawn from parental control

## Course Descriptions

### Arts

#### Dance

##### **ATC101 - Gr. 9 Open Level Dance**

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.

Credit value: 1.0

Prerequisite: n/a

##### **ATC201 - Gr. 10 Open Level Dance**

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.

Credit value: 1.0

Prerequisite: n/a

##### **ATC301 - Gr. 11 Open Level Dance**

This course emphasizes the development of students' movement vocabulary relating to dance genres from around the world, 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 tools and techniques throughout the process of creation and presentation, and reflect on how studies in the dance arts affect personal identity.

Credit value: 1.0

Prerequisite: n/a

##### **ATC3M1 - Gr. 11 Mixed Level Dance**

This course emphasizes the development of students' artistry, improvisational and compositional skills, and technical proficiency in dance genres from around the world. 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.

Credit value: 1.0

Prerequisite: ATC101 or ATC201

### **ATC4M1 - Gr. 12 Mixed Level Dance**

This course emphasizes the development of students' technical proficiency, fluency in the language of movement in dance genres from around the world, and understanding of dance science. 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.

Credit value: 1.0

Prerequisite: ATC3O1 or ATC3M1

### **Dramatic Arts**

#### **ADA1O1 - Gr. 9 Open Level Drama**

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.

Credit value: 1.0

Prerequisite: n/a

#### **ADA2O1 - Gr. 10 Open Level Drama**

This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures 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.

Credit value: 1.0

Prerequisite: n/a

#### **ADA3M1 - Gr. 11 Mixed Level Drama**

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.

Credit value: 1.0

Prerequisite: ADA1O1 or ADA2O1

#### **ADA4M1 - Gr. 12 Mixed Level Drama**

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 texts 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.

Credit value: 1.0

Prerequisite: ADA3M1

## **Music**

### **Instrumental Music**

#### **AMI1O1 - Gr. 9 Open Level Instrumental Music**

This course emphasizes the performance of music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use.

Credit value: 1.0

Prerequisite: n/a

#### **AMI2O1 - Gr. 10 Open Level Instrumental Music**

This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities, listening perceptively and analyzing Medieval, Baroque and contemporary music as well as music videos. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history.

Credit value: 1.0

Prerequisite: n/a

#### **AMI3M1 - Gr. 11 Mixed Level Instrumental Music**

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

Credit value: 1.0

Prerequisite: AMI1O1 or AMI2O1

#### **AMI4M1 - Gr. 12 Mixed Level Instrumental Music**

This course emphasizes the appreciation, analysis, and performance of music from the romantic period and the twentieth century, including art music, jazz, popular music, and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently. They will also complete complex creative projects.

Credit value: 1.0

Prerequisite: AMI3M1

## **Guitar**

### **AMG2O1 - Gr. 10 Open Level Guitar**



This course emphasizes performance of music at a level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. This course is designed for beginning guitar students who will learn how to tune the guitar, read chord charts and melodic notation, be introduced to folk, rock, pop, blues, jazz and classical styles through performance, listening, music theory and the history of the guitar.

Credit value: 1.0

Prerequisite: n/a

### **AMG3M1 - Gr. 11 Mixed Level Guitar**

This course develops students' artistic knowledge and skills through the performance of music and the preparation of music productions. Students will perform appropriate works, particularly works in contemporary popular styles. Independently and in groups, they will also plan, market, and produce music productions, making use of appropriate technology, and will evaluate the results. This course is designed for the intermediate guitar student.

Credit value: 1.0

Prerequisite: AMG2O1

### **AMG4M1 - Gr. 12 Mixed Level Guitar**

This course emphasizes the appreciation, analysis, and performance of music from the romantic period and from the twentieth century, including jazz, popular music, art music, and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently. They will also complete complex creative projects in which they make use of new technologies. This course is designed for the intermediate guitar student.

Credit value: 1.0

Prerequisite: AMG3M1

### **Vocal Music**

#### **AMV1O1 - Gr. 9 Open Level Vocal Music**

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

Credit value: 1.0

Prerequisite: n/a

#### **AMV2O1 - Gr. 10 Open Level Vocal Music**

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

critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. The focus of this course is vocal music.

Credit value: 1.0

Prerequisite: n/a

### **AMV3M1 - Gr. 11 Mixed Level Vocal Music**

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

Credit value: 1.0

Prerequisite: AMV1O1 or AMV2O1

### **AMV4M1 - Gr. 12 Mixed Level Vocal Music**

This course emphasizes the appreciation, analysis, and performance of music from the romantic period and the twentieth century, including art music, jazz, popular music, and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently. They will also complete complex creative projects. The focus of this course is vocal music.

Credit value: 1.0

Prerequisite: AMV3M1

## **Visual Arts**

### **AVI1O1 - Gr. 9 Open Level Visual Arts**

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.

Credit value: 1.0

Prerequisite: n/a

### **AVI2O1 - Gr. 10 Open Level Visual Arts**

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.

Credit value: 1.0

Prerequisite: n/a

### **AWC201 - Gr. 10 Open Level Visual Arts - Ceramics**

In this course students will learn the basic handbuilding techniques (pinch, coil and slab), as well as a variety of decoration methods. Students will also study clay properties, the basic history of ceramics and the elements involved in firing completed pieces.

Credit value: 1.0

Prerequisite: n/a

### **AVI3M1 - Gr. 11 Mixed Level Visual Arts**

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 emerging 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).

Credit value: 1.0

Prerequisite: AVI101 or AVI201

### **AWC3M1 - Gr. 11 Mixed Level Visual Arts - Ceramics**

This course focuses on ceramics. 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 emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others.

Credit value: 1.0

Prerequisite: AVI201 or AWC201

### **AWD3M1 - Gr. 11 Mixed Level Visual Design (Graphic Design)**

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

Credit value: 1.0

Prerequisite: AVI101 or AVI201

### **AWM3M1 - Gr. 11 Mixed Level Visual Arts - Drawing and Painting**

This course focuses on the refinement of students' skills and knowledge in visual arts. Students will analyse art forms; use theories of art in analysing and producing art; and increase their understanding of stylistic changes in Western art, Canadian (including Native Canadian) art, and art forms from various parts of the world. Students will produce a body of work demonstrating a personal approach. The emphasis of this course will be painting and drawing.

Credit value: 1.0

Prerequisite: AVI1O1 or AVI2O1

### **AVI4M1 - Gr. 12 Mixed Level Visual Arts**

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.

Credit value: 1.0

Prerequisite: AVI3M1 or AWM3M1

### **AWC4M1 - Gr. 12 Mixed Level Visual Arts - Ceramics**

Students will develop their own imagery using sketchbook studies and proposal drawings. Emphasis is placed on the maintenance, organization, and management of the studio space. Students have the opportunity to develop their skills in producing and presenting ceramics by introducing them to materials, processes for exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process.

Credit value: 1.0

Prerequisite: AWC2O1 and AVI3M1

### **Film and Photography**

#### **AWQ2O1 - Gr. 10 Open Level Visual Arts - Photography**

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. The focus of this course is photography.

Credit value: 1.0

Prerequisite: n/a

#### **AWR3M1 - Gr. 11 Mixed Level Visual Arts - Film / Video**

Through use of digital video cameras and the editing program "Final Cut", students will create five film projects and will be assessed in the areas of technical film-making, editing and

storytelling. Students will be exposed to the entire continuum of movie production from idea generation, scripting, acting, shooting, editing and producing. This course provides students with opportunities to further develop their skills and knowledge in film making. Students will explore a range of subject matter through film studio/lab activities and will consolidate their practical technology skills. Students will also analyse film making and study aspects of Western film history, as well as films from Canada and other parts of the world.

Credit value: 1.0

Prerequisite: ADA1O1, ADA2O1, TGJ1O1, or TGJ2O1

## Business

### **BEM1O1 - Gr. 9 Open Level - Building the Entrepreneurial Mindset**

In this course, students will learn what makes an entrepreneur thrive and the skills required to succeed in today's business environment. Students will begin to develop their own entrepreneurial mindset, and learn why it's important to take initiative, adapt to change, find creative solutions, and understand the financial considerations of entrepreneurship. This hands-on course will use business software and applications to help students plan and develop their entrepreneurial ideas and learn how to present them to a target audience. Throughout the course, students will enhance their communications skills as well as develop and refine their project management skills, including goal setting, time management, and networking.

Credit value: 1.0

Prerequisite: n/a

**BEP2O1 - Gr. 10 Open Level Launching and Leading a Business** This course introduces students to the world of business and what is required to be successful, ethical, and responsible in today's economy. Students will develop the knowledge and skills needed to be an entrepreneur who knows how to respond to local and global market opportunities. Throughout the course, students will explore and understand the responsibility of managing different functions of a business. This includes accounting, marketing, information and communication technology, financial management, human resources, and production.

Credit value: 1.0

Prerequisite: n/a

### **BAF3M1 - Gr. 11 Mixed Level Financial Accounting Fundamentals**

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

Credit value: 1.0

Prerequisite: n/a

### **BDI3C1 - Gr. 11 College Level Entrepreneurship The Venture**

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a school-based or student-run business. Through 22

hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

Credit value: 1.0

Prerequisite: n/a

### **BMI3C1 - Gr. 11 College Level Marketing: Goods, Services, Events**

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

Credit value: 1.0

Prerequisite: n/a

### **BAT4M1 - Gr. 12 Mixed Level Financial Accounting Fundamentals**

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

Credit value: 1.0

Prerequisite: BAF3M1

### **BOH4M1 - Gr. 12 Mixed Level Business Leadership: Management Fundamentals**

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

Credit value: 1.0

Prerequisite: NBE3C1, NBE3U1, ENG3UM, or ENG3U1

## **Canadian and World Studies**

### **Civics**

#### **CHV2O5 - Gr. 10 Open Level Civics**

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance 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. This course also includes learning on digital literacy and critical-thinking skills, the mechanisms of government, Indigenous governance systems and

structures, the historical foundations of the rights and freedoms we enjoy in Canada, ways in which government policy affects individuals' lives and the economy, and ways for students to serve their communities.

Credit value: 0.5

Prerequisite: n/a

### **CHV20F - Gr. 10 Open Level Civics French Immersion**

This is a french immersion course. This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance 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. This course also includes learning on digital literacy and critical-thinking skills, the mechanisms of government, Indigenous governance systems and structures, the historical foundations of the rights and freedoms we enjoy in Canada, ways in which government policy affects individuals' lives and the economy, and ways for students to serve their communities.

Credit value: 0.5

Prerequisite: n/a

### **Geography**

#### **CGC1WH - Gr. 9 Destreamed Level -Exploring Canadian Geography**

This course builds on learning in Grades 7 and 8 in geography. Students will explore relationships within and between Canada's natural and human systems and how they interconnect with other parts of the world. Students will also examine environmental and economic issues, and their impact related to topics such as natural resources and industries, careers, land use and responsible development, and sustainability. In addition, students will understand the connections that diverse communities and individuals have with the physical environment and each other throughout Canada, including First Nations, Métis, and Inuit perspectives. Students will apply geographic thinking, use the geographic inquiry process, and use geospatial technologies throughout their investigations.

Credit value: 1.0

Prerequisite: n/a

#### **CGC1DV - Gr. 9 Destreamed Level Canadian Geography - Geoventure**

This course is offered in conjunction with PAI1O1. This course builds on learning in Grades 7 and 8 in geography. Students will explore relationships within and between Canada's natural and human systems and how they interconnect with other parts of the world. Students will also examine environmental and economic issues, and their impact related to topics such as natural resources and industries, careers, land use and responsible development, and sustainability. In addition, students will understand the connections that diverse communities and individuals have with the physical environment and each other throughout Canada, including First Nations, Métis, and Inuit perspectives. Students will apply geographic thinking, use the geographic inquiry process, and use geospatial technologies throughout their investigations.

Credit value: 1.0

Prerequisite: n/a

### **CGC1DF - Gr. 9 Destreamed Level Canadian Geography French Immersion**

This is a french immersion course. This course builds on learning in Grades 7 and 8 in geography. Students will explore relationships within and between Canada's natural and human systems and how they interconnect with other parts of the world. Students will also examine environmental and economic issues, and their impact related to topics such as natural resources and industries, careers, land use and responsible development, and sustainability. In addition, students will understand the connections that diverse communities and individuals have with the physical environment and each other throughout Canada, including First Nations, Métis, and Inuit perspectives. Students will apply geographic thinking, use the geographic inquiry process, and use geospatial technologies throughout their investigations.

Credit value: 1.0

Prerequisite: n/a

### **CGG301 - Gr. 11 Open Level Travel and Tourism**

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.

Credit value: 1.0

Prerequisite: CGC1W1

## **History**

### **CHC2D1 - Gr. 10 Academic Level Canadian History**

This course explores social, economic, and political developments and events and their impact on the lives of different individuals, groups, 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.

Credit value: 1.0

Prerequisite: n/a

### **CHC2DF - Gr. 10 Academic Level Canadian History French Immersion**



This is a french immersion course. This course explores social, economic, and political developments and events and their impact on the lives of different individuals, groups, 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.

Credit value: 1.0

Prerequisite: n/a

### **CHC2L1 - Gr. 10 Locally Developed Level Canadian History**

This locally developed course in Canadian history provides students with the opportunity to complete the compulsory credit for history that is required to graduate. It will lead to other workplace courses at the senior level.

Credit value: 1.0

Prerequisite: Students must be modified (through IPRC) to a minimum of 3 grade levels below to be able to take this course.

### **CHC2P1 - Gr. 10 Applied Level Canadian History**

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 continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

Credit value: 1.0

Prerequisite: n/a

### **CHW3M1 - Gr. 11 Mixed Level World History to the 15th Century**

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.

Credit value: 1.0

Prerequisite: CHC2D1 or CHC2P1

### **CHY4U1 - Gr. 12 University Level World History Since the 15th Century**

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.

Credit value: 1.0

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

## **Law**

### **CLU3M1 - Gr. 11 Mixed Level Canadian Law**

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.

Credit value: 1.0

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

### **CLN4U1 - Gr. 12 University Level Canadian Law**

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.

Credit value: 1.0

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

## **Interdisciplinary Studies**

### **IDC3O1 - Gr. 11 Open Level Crimes Against Humanity**

This course investigates examples of genocide in the twentieth and twenty-first centuries, including the Holocaust, Armenia, and Rwanda. Students will investigate the terms genocide, crimes against humanity, and war crimes and explore them through the lens of historical analysis. Students will examine identity formation and how “in groups” and “out groups” are created, including an analysis of how bias, stereotypes, prejudice, and discrimination impact on various groups. As the course unfolds students will be challenged to draw appropriate connections between the history of genocide and Canadian history and between the lives of the people they are investigating and their own lives. Students will use critical thinking skills to look at the themes of judgment, memory, and legacy and will evaluate the ways in which active citizens may empower themselves to stop future genocides. Throughout the course, students will gain an understanding of the role of perpetrator, victim, bystander, rescuer, opportunist, and resister.

Credit value: 1.0

Prerequisite: CHC2D, CHC2P

### **Co-operative Education**

Co-operative education courses consist of a learning experience connected to a community and a cooperative education curriculum that incorporates relevant expectations from the student’s related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply, extend, and refine skills and knowledge acquired in their related course or courses and will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being. They 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.

#### **COP3X2 - Grade 11, out of school**

General Co-op Course.

Double credit, out of school co-op placement.

Credit value: 2.0

Prerequisite: n/a

#### **COP3X4 - Grade 11, out of school**

General Co-op Course.

Four credit, out of school co-op placement.

Credit value: 4.0

Prerequisite: n/a

#### **COP4X2 - Grade 12, out of school**

General Co-op Course.

Double credit, out of school co-op placement.

Credit value: 2.0

Prerequisite: n/a

#### **COP4X4 - Grade 12, out of school**

General Co-op Course.

Four credit, out of school co-op placement.

Credit value: 4.0

Prerequisite: n/a

### **COP4XY - OYAP - Ontario Youth Apprenticeship Program**

This program consists of a unique combination of community college trades training and a high school Cooperative Education program. Students are registered as apprentices and attend the college one to three days a week to earn their Basic Level 1 of their trade qualifications. The remainder of the week is spent at a work placement with an employer earning two to three high school credits while accumulating hours toward their apprenticeship requirements. This full day program takes place during the second semester of the grade 12 year.

Credit value: 4.0

Prerequisite: MAP4C and ENG4C must be taken in semester 1 of the grade 12 year

\*Students must apply in the spring of the grade 11 year to gain acceptance into this program. It is recommended that students have previous experience in co-operative education in the area in which they wish to apprentice.

## **English**

### **ENG1L1 - Gr. 9 Locally Developed English**

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 locally developed English course, which leads to workplace preparation courses in Grades 11 and 12.

Credit value: 1.0

Prerequisite: Students must be modified (through IPRC) to a minimum of 3 grade levels below to be able to take this course.

### **ENL1WH - Gr. 9 Destreamed Level English**

This course enables students to continue to develop and consolidate the foundational knowledge and skills that they need for reading, writing, and oral and visual communication. Throughout the course, students will continue to enhance their media literacy and critical literacy skills, and to develop and apply transferable skills, including digital literacy. Students will also make connections to their lived experiences and to society and increase their understanding of the importance of language and literacy across the curriculum.

Credit value: 1.0

Prerequisite: n/a

### **ENG2L1 - Gr. 10 Locally Developed English**

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English, Grade 11, Workplace Preparation course, or in the English: Contemporary Aboriginal Voices, Grade 11, Workplace Preparation course. The course is organized by 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. Students reflect regularly upon their growth in these areas.

Credit value: 1.0

Prerequisite: ENG1L1 or ENL1WH (Students must be modified (through IPRC) to a minimum of 3 grade levels below to be able to take this course.)

### **ENG2D1 - Gr. 10 Academic Level English**

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.

Credit value: 1.0

Prerequisite: ENL1WH

### **ENG2P1 - Gr. 10 Applied Level English**

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.

Credit value: 1.0

Prerequisite: ENL1WH

### **NBE3E1 - Gr. 11 Workplace Level English: Understanding Contemporary First Nations, Métis, and Inuit Voices**

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.

Credit value: 1.0

Prerequisite: ENG2L1

**NBE3C1 - Gr. 11 College Level English: Understanding Contemporary First Nations, Métis, and Inuit Voices**

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.

Credit value: 1.0

Prerequisite: ENG2P1, ENG2D1, or ENG2DM

**NBE3U1 - Gr. 11 University Level English: Understanding Contemporary First Nations, Métis, and Inuit Voices**

This course explores themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will analyse the changing use of text forms by Indigenous authors/creators from various periods and cultures 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 university or college preparation course.

Credit value: 1.0

Prerequisite: ENG2D1 or ENG2DM

**ENG3UM - Gr. 11 English IB Year 1**

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.

Credit value: 1.0

Prerequisite: ENG2DM

**ENG4C1 - Gr. 12 College Level English**

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.

Credit value: 1.0

Prerequisite: NBE3C, NBE3U, ENG3C, ENG3U, ENG3UM

**EWC4C1 - Gr. 12 College Level Writer's Craft**

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

Credit value: 1.0

Prerequisite: NBE3C, NBE3U, ENG3C, ENG3U, ENG3UM

**ETS4UM - Gr. 12 IB English**

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.

Credit value: 1.0

Prerequisite: ENG3UM

**ENG4UM - Gr. 12 IB English**

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. (This course is offered in conjunction with ETS4UM.)

Credit value: 1.0

Prerequisite: ETS4UM, ENG3UM

**EWC4U1 - Gr. 12 University Level Writer's Craft**

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.

Credit value: 1.0

Prerequisite: ENG3U, NBE3U, ENG3UM

### **ENG4U1 - Gr. 12 University Level English**

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.

Credit value: 1.0

Prerequisite: ENG3U, NBE3U, ENG3UM

### **ENG4E1 - Gr. 12 Workplace Level English**

Credit value: 1.0

Prerequisite: ENG3E1, NBE3E1, ENG3C1, NBE3C1, ENG3U1, NBE3U1

### **Multiple Language Learning**

#### **ESLAO1 - English as a Second Language - Level 1**

#### **ESLBO1 - English as a Second Language - Level 2**

#### **ESLCO1 - English as a Second Language - Level 3**

#### **ESLDO1 - English as a Second Language - Level 4**

This course builds on students' previous education and language knowledge to introduce them to the English language and help them adjust to the diversity in their new environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes. They will engage in short conversations using basic English language structures and simple sentence patterns; 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.

Credit value: 1.0

Prerequisite: n/a

\*Students will meet with the MLL itinerant teacher prior to being enrolled in this course.

### **Ontario Secondary School Literacy Course**

#### **OLC3O1 / OLC4O1 - Ontario Secondary School Literacy Course**



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 informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.

Credit value: 1.0

Prerequisite: ENG2D1, ENG2L1, or ENG2P1

### **Guidance and Career Education**

#### **GLC205 - Gr. 10 Open Level Career Studies**

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

Credit value: 0.5

Prerequisite: n/a

#### **GLC20F - Gr. 10 Open Level Career Studies - French Immersion**

The language of instruction for this course is French. 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 postsecondary 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.

Credit value: 0.5

Prerequisite: n/a

#### **GLS101 - Gr. 9 Open Level Learning Strategies - Skills for Success in Secondary School**

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

Credit value: 1.0

Prerequisite: n/a

\*In order to enroll in this course, please consult with the CCI guidance or special education department.

## **Health & Physical Education**

### **PPL101 / PPL10B / PPL10G - Gr. 9 Open Level Healthy Active Living**

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.

Credit value: 1.0

Prerequisite: n/a

\*1 indicates non-gender based, B indicates male identifying, G indicates female identifying

### **PPL10F - Gr. 9 Open Level Healthy Active Living - French immersion**

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. This course will be taught in French.

Credit value: 1.0

Prerequisite: n/a

### **PAI101 - Gr. 9 Open Level Healthy Active Living - GEOVENTURE**

GEOVENTURE is a two credit program designed to link the expectations of Grade 9 Geography (CGC1P or CGC1W) and Outdoor Activity (PAI101). The Outdoor Skills course incorporates the strands of a traditional Health and Physical Education course including; physical activity, active living, healthy living, and living skills. Students will be required to physically participate in a wide variety of outdoor activities e.g., cooperative games, camping, hiking, snowshoeing, skiing, canoeing. The course will emphasize active participation, physical fitness and safety. Healthy living addresses the knowledge and skills that students need to make informed decisions related to healthy growth and sexuality, substance use and abuse and personal safety and injury prevention. The geography course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect. Students will explore environmental, economic, and social geographic issues. 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.

Credit value: 1.0

Prerequisite: n/a

### **PPL201 / PPL20B / PPL20G - Gr. 10 Open Level Healthy Active Living**

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.

Credit value: 1.0

Prerequisite: n/a

\*1 indicates non-gender based, B indicates male identifying, G indicates female identifying

### **PAD201 - Gr. 10 Open Level Healthy Living and Outdoor Activities**

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. The focus of this course is outdoor education.

Credit value: 1.0

Prerequisite: n/a

### **PAF20G - Gr. 10 Open Level Personal and Fitness Activities Girls**

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.

Credit value: 1.0

Prerequisite: n/a

### **PPL301 / PPL30B / PPL30G - Gr. 11 Open Level Healthy Active Living**

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.

Credit value: 1.0

Prerequisite: n/a

\*1 indicates non-gender based, B indicates male identifying, G indicates female identifying

### **PAF301 / PAF30G / PAF30B - Gr. 11 Open Level Personal and Fitness Activities**

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.

Credit value: 1.0

Prerequisite: n/a

\*1 indicates non-gender based, B indicates male identifying, G indicates female identifying

### **PAD301 - Gr. 11 Open Level Healthy Living and Outdoor Activities**

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. The focus of this course is outdoor education.

Credit value: 1.0

Prerequisite: n/a

### **PPL401 / PPL40B / PPL40G - Gr. 12 Open Level Healthy Active Living**

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.

Credit value: 1.0

Prerequisite: n/a

\*1 indicates non-gender based, B indicates male identifying, G indicates female identifying

### **PAF4O1 / PAF4OB / PAF4OG - Gr. 12 Open Level Personal and Fitness Activities**

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.

Credit value: 1.0

Prerequisite: n/a

\*1 indicates non-gender based, B indicates male identifying, G indicates female identifying

### **PLF4M1 - Gr. 12 Mixed Level Recreation and Fitness Leadership**

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.

Credit value: 1.0

Prerequisite: PPL3OB, PPL3OG, PPL3O1, PAF3O1, PAF3OG, PAF3OB, PAF4O1, PAF4OG, PAF4OB, NBE3C1, or NBE3U1

### **PSK4U1 - Gr. 12 University Level Introductory Kinesiology**

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.

Credit value: 1.0

Prerequisite: SBI3U1, SPH3U1, SCH3U1, NBE3U1, ENG3UM

## **Indigenous Studies**

### **NAC2O1 - Gr. 10 Open Level First Nations, Métis, and Inuit in Canada**

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.

Credit value: 1.0

Prerequisite: n/a

### **NBV3C1 - Gr. 11 College Level World Views and Aspirations of First Nations, Métis, and Inuit Communities in Canada**

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.

Credit value: 1.0

Prerequisite: NAC20, ENG2D, ENG2P, CHC2D, CHC2P

### **NBV3E1 - Gr. 11 Workplace Level Aboriginal Beliefs and Values**

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.

Credit value: 1.0

Prerequisite: NAC20, CHC2P, CHC2L, CHC2D

### **NDG4M1 - Gr. 12 Mixed Level First Nations, Métis, and Inuit Governance in Canada**

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. \*Offered alternate years with NDW4M -- will be offered in 2024-2025

Credit value: 1.0

Prerequisite: Any grade 11 university, university/college or college preparation in First Nations, Metis, and Inuit studies / Canadian & World Studies / Social Sciences and Humanities (not offered in 2025-2026; offered alternate years with NDW4M1)

### **NDW4M1 - Gr. 12 Mixed Level Contemporary Indigenous Issues and Perspectives in a Global Context**

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.

\*Offered alternate years with NDG4M -- will be offered in 2025-2026

Credit value: 1.0

Prerequisite: Any grade 11 university, university/college or college preparation in First Nations, Metis, and Inuit studies / Canadian & World Studies / Social Sciences and Humanities (offered alternate years with NDG4M1)

### **Ojibwe**

#### **LNOAO1 / LNOBO1 / LNOCO1/ LNODO1 - Ojibwe**

This course is open to the entire student body and will allow students who have no prior Native language experience to develop an appreciation for a Native language and culture, to explore and experience a unique world view, and to learn to speak a Native language. Students will use the language being studied for greetings and daily routines, become familiar with its writing and sound system, and practise basic vocabulary and phrases. Students will also use information technology during course-related activities.

Credit value: 1.0

Prerequisite: n/a

## **Languages**

### **Core French**

#### **FSF1DH - Gr. 9 Destreamed Core French**

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.

Credit value: 1.0

Prerequisite: n/a

### **FSF2D1 - Gr. 10 Academic Level Core French**

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.

Credit value: 1.0

Prerequisite: FSF1D

### **FSF3U1 - Gr. 11 University Level Core French**

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.

Credit value: 1.0

Prerequisite: FSF2D, FSF2DM

### **FSF3UM - Gr. 11 IB Year One Core French**

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.

Credit value: 1.0

Prerequisite: FSF2D, FSF2DM

### **FSF4U1 - Gr. 12 University Level Core French**

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.

Credit value: 1.0

Prerequisite: FSF3U, FSF3UM



### **FSF4UM - Gr. 12 IB Year One Core French**

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.

Credit value: 1.0

Prerequisite: FSF3U, FSF3UM

### **French Immersion**

#### **FIF1DF - Gr. 9 French Immersion**

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 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.

Credit value: 1.0

Prerequisite: n/a

#### **FIF2DF - Gr. 10 Academic Level French Immersion**

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.

Credit value: 1.0

Prerequisite: FIF1DF

#### **FIF3UF - Gr. 11 University Level French Immersion**

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.

Credit value: 1.0

Prerequisite: FIF2DF

### **FIF3UM - Gr. 11 IB Year One French Immersion**

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.

Credit value: 1.0

Prerequisite: FIF2DF

### **FIF4UF - Gr. 12 University Level French Immersion**

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.

Credit value: 1.0

Prerequisite: FIF3UF

### **FIF4UM - Gr. 12 IB Year One French Immersion**

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.

Credit value: 1.0

Prerequisite: FIF3UF

## **Mathematics**

### **MAT1L1 - Gr. 9 Locally Developed Level Mathematics**

This course provides students who have experienced difficulties in previous mathematics courses an opportunity to obtain sufficient background and skill development to prepare them for Grade 11 and 12 Workplace Preparation courses. Whenever possible, ideas will be presented in a realistic context providing students with an opportunity to explore, organize,

interpret, and use mathematical models to solve problems. Technology and manipulative materials will be used wherever appropriate.

Credit value: 1.0

Prerequisite: Students must be modified (through IPRC) to a minimum of 3 grade levels below to be able to take this course.

### **MTH1WH - Gr. 9 Destreamed Level Mathematics**

This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and relevant real-world situations. Students will continue to enhance their mathematical reasoning skills, including proportional reasoning, spatial reasoning, and algebraic reasoning, as they solve problems and communicate their thinking.

Credit value: 1.0

Prerequisite: n/a

### **MAT2L1 - Gr. 10 Locally Developed Mathematics**

This course is designed to provide additional experiences in problem solving. Ideas will be presented in a realistic context providing students with an opportunity to explore, organize, interpret, and use mathematical models to solve problems. Repetition of skills and exposure to technology are key aspects of this course.

Credit value: 1.0

Prerequisite: MAT1L, Students must be modified (through IPRC) to a minimum of 3 grade levels below to be able to take this course.

### **MPM2D1 - Gr. 10 Academic Level Mathematics**

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.

Credit value: 1.0

Prerequisite: MTH1W

### **MFM2P1 - Gr. 10 Applied Level Mathematics**

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.

Credit value: 1.0

Prerequisite: MTH1W

### **MBF3C1 - Gr. 11 College Level Mathematics**

This course enables students to broaden their understanding of mathematics as a problem solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Credit value: 1.0

Prerequisite: MFM2P, MDM2D

### **MCF3M1 - Gr. 11 Mixed Level Mathematics - Functions and Applications**

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

Credit value: 1.0

Prerequisite: MFM2P, MPM2D

### **MCR3U1 - Gr. 11 University Level Mathematics - Functions**

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

Credit value: 1.0

Prerequisite: MPM2D, MPM2DM

### **MEL3E1 - Gr. 11 Workplace Level Mathematics**

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.

Credit value: 1.0

Prerequisite: MFM2P, MAT2L

### **MAP4C1 - Gr. 12 College Level Mathematics**

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

Credit value: 1.0

Prerequisite: MBF3C, MCF3M, MCR3U, MCF3M

### **MCV4U1 - Gr. 12 University Level Calculus**

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

Credit value: 1.0

Prerequisite: MCR3U, MCR3UM

### **MCV4UM - Gr. 12 IB Calculus**

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

Credit value: 1.0

Prerequisite: MCR3UM and MHF4UM

### **MDM4U1 - Gr. 12 University Level Data Management**

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analysing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university 100 programs in business, the social sciences, and the humanities will find this course of particular interest.

Credit value: 1.0

Prerequisite: MCR3U, MCR3UM

### **MEL4E1 - Gr. 12 Workplace Level Mathematics**

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

Credit value: 1.0

Prerequisite: MEL3E, MBF3C

### **MHF4U1 - Gr. 12 University Level Advanced Functions**

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.

Credit value: 1.0

Prerequisite: MCR3U, MCR3UM

### **MHF4UM - Gr. 12 IB Level Advanced Functions**

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.

Credit value: 1.0

Prerequisite: MCR3UM

## Science

### **SNC1L1 - Gr. 9 Locally Developed Level Science**

This is an introductory course in science that will allow you to learn about the basic concepts involved in biology, chemistry, physics and scientific inquiry. Each of these topics explore a range of topics including life-sustaining processes in simple and complex organisms, properties of common materials, electrical circuits and science in daily life. The course is designed to help you develop your mathematical and scientific process skills and to continue developing your skills in reading, writing and oral language through practical and relevant science activities. You will be asked to design and conduct investigations related to the 4 topics of study allowing you to put your practical problem solving abilities to use and to apply your knowledge of science to everyday situations. This course will provide you with considerable knowledge in science and prepare you for the next level of study and success in everyday life. If you wish to continue study science this course prepares you for the Grade 11 Workplace Preparation course.

Credit value: 1.0

Prerequisite: Students must be modified (through IPRC) to a minimum of 3 grade levels below to be able to take this course.

### **SNC1WH - Gr. 9 Destreamed Level Science**

This course enables students to develop their understanding of concepts related to biology, chemistry, physics, and earth and space science, and to relate science to technology, society, and the environment. Throughout the course, students will develop and refine their STEM skills as they use scientific research, scientific experimentation, and engineering design processes to investigate concepts and apply their knowledge in situations that are relevant to their lives and communities. Students will continue to develop transferable skills as they become scientifically literate global citizens.

Credit value: 1.0

Prerequisite: n/a

### **SNC2D1 - Gr. 10 Academic Level Science**

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.

Credit value: 1.0

Prerequisite: SNC1W

### **SNC2L1 - Gr. 10 Locally Developed Science**

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 Grade 11 Science Workplace Preparation course. Students explore a range of topics, including science in media, interactions of common materials, interdependence of organisms in communities, and using electrical energy.

Credit value: 1.0

Prerequisite: SNC1L / n/a

### **SNC2P1 - Gr. 10 Applied Level Science**

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.

Credit value: 1.0

Prerequisite: SNC1W

### **Biology**

#### **SBI3C1 - Gr. 11 College Level Biology**

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.

Credit value: 1.0

Prerequisite: SNC2P, SNC2D

#### **SBI3U1 - Gr. 11 University Level Biology**

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.

Credit value: 1.0

Prerequisite: SNC2D, SNC2DM

#### **SBI3UM - Gr. 11 IB Year One Level Biology**

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.



Credit value: 1.0

Prerequisite: SNC2DM

### **SBI4U1 - Gr. 12 University Level Biology**

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.

Credit value: 1.0

Prerequisite: SBI3U, SBI3UM

### **SBI4UM - Gr. 12 IB Year Two Level Biology**

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.

Credit value: 1.0

Prerequisite: SBI3UM

### **SNC4M6 - Gr. 12 IB Year Two**

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

Credit value: 1.0

Prerequisite: SBI4UM

## **Chemistry**

### **SCH3U1 - Gr. 11 University Level Chemistry**

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.

Credit value: 1.0

Prerequisite: SNC2D, SNC2DM

### **SCH3UM - Gr. 11 IB Chemistry Year Two**

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.

Credit value: 1.0

Prerequisite: SNC2DM

### **SCH4C1 - Gr. 12 College Level Chemistry**

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.

Credit value: 1.0

Prerequisite: SNC2P, SNC2D, SNC2DM

### **SCH4U1 - Gr. 12 University Level Chemistry**

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.

Credit value: 1.0

Prerequisite: SCH3U, SCH3UM

### **SCH4UM - Gr. 12 IB Chemistry Year Two**

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.

Credit value: 1.0

Prerequisite: SCH3UM

## **Environmental Science**

### **SVN3E1 - Gr. 11 Workplace Level Environmental Science**

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.

Credit value: 1.0

Prerequisite: SNC1L or SNC2L

### **SVN3M1 - Gr. 11 Mixed Level Environmental Science**

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.

Credit value: 1.0

Prerequisite: SNC2D, SNC2P, SNC2DM

## **Physics**

### **SPH3U1 - Gr. 11 University Level Physics**

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.

Credit value: 1.0

Prerequisite: SNC2D, SNC2DM

### **SPH3UM - Gr. 11 IB Year One Physics**

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.

Credit value: 1.0

Prerequisite: SNC2D, SNC2DM

### **SPH4C1 - Gr. 12 College Level Physics**

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.

Credit value: 1.0

Prerequisite: SNC2P, SNC2D

### **SPH4U1 - Gr. 12 University Level Physics**

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

Credit value: 1.0

Prerequisite: SPH3U, SPH3UM

### **SPH4UM - Gr. 12 IB Year Two Physics**

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

Credit value: 1.0

Prerequisite: SPH3U, SPH3UM

### **SNC4MM - Gr. 12 IB Year Two Physics**

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

Credit value: 1.0

Prerequisite: SPH3U, SPH3UM

### **Medical Technology**

#### **TPJ3C1 - Gr. 11 College Level Medical Technology**

This course enables students to develop their understanding of basic health care procedures, including the safe use of appropriate instruments, equipment, and materials. Students will focus on health care fundamentals, including health care terminology and the anatomical features and physiology of some major body systems. Students will develop an awareness of health and safety issues in the health care field, environmental and societal issues related to health care, professional practice standards, and career opportunities in the field.

Credit value: 1.0

Prerequisite: SNC2D, SNC2DM, SNC2P

## **Social Sciences & Humanities**

### **Fashion**

#### **HNL2O1 - Gr. 10 Open Level Clothing**

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

Credit value: 1.0

Prerequisite: n/a

#### **HNC3C1 - Gr. 11 College Level Understanding Fashion**

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.

Credit value: 1.0

Prerequisite: n/a

### **HNB4M1 - Gr. 12 Mixed Level Fashion**

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.

Credit value: 1.0

Prerequisite: HNC3C, NBE3C, NBE3U

### **Social Sciences**

#### **HIF1O1 - Gr. 9 Open Level Exploring Family Studies**

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.

Credit value: 1.0

Prerequisite: n/a

#### **HHD3O1 - Gr. 11 Open Level Dynamics of Human Relationships**

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.

Credit value: 1.0

Prerequisite: n/a

#### **HPW3C1 - Gr. 11 College Level Working with Infants and Young Children**

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.

Credit value: 1.0

Prerequisite: n/a

**HSP3C1 - Gr. 11 College Level Introduction to Anthropology, Psychology, and Sociology**

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.

Credit value: 1.0

Prerequisite: n/a

**HSP3U1 - Gr. 11 University Level Introduction to Anthropology, Psychology, and Sociology**

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.

Credit value: 1.0

Prerequisite: ENG2D, CHC2D

**HSP3UM - Gr. 11 IB Introduction to Anthropology, Psychology, and Sociology**

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.

Credit value: 1.0

Prerequisite: ENG2DM

**HHG4M1 - Gr. 12 Mixed Level Human Growth and Development**

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.

Credit value: 1.0

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

**HHS4UM - Gr. 12 IB**

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.

Credit value: 1.0

Prerequisite: HSP3UM

#### **HIP401 - Gr. 12 Open Level Personal Life Management**

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.

Credit value: 1.0

Prerequisite: n/a

#### **HPD4C1 - Gr. 12 College Level Working with School Age Children and Adolescents**

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.

Credit value: 1.0

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

(not offered in 2025-2026, offered alternate years with HPW3C1)

#### **HSB4U1 - Gr. 12 University Level Challenge and Change in Society**

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.

Credit value: 1.0

Prerequisite: ENG3U, NBE3U, ENG3UM

#### **HSB4UM - Gr. 12 IB Year Two Social and Cultural Anthropology**



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.

Credit value: 1.0

Prerequisite: HSP3UM

### **HSE4M1 - Gr. 12 Mixed Level Equity and Social Justice**

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

Credit value: 1.0

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

### **HZT4U1 - Gr. 12 University Level Philosophy**

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.

Credit value: 1.0

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

### **HZT4UM - Gr. 12 IB Year One - Theory of Knowledge**

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.

Credit value: 1.0

Prerequisite: ENG2DM

## Technology

### Automotive Technology

#### **TTJ2O1 - Gr. 10 Open Level Transportation Technology**

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.

Credit value: 1.0

Prerequisite: n/a

#### **TTJ3C1 - Gr. 11 College Level Transportation Technology**

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.

Credit value: 1.0

Prerequisite: n/a

#### **TTJ4C1 - Gr. 12 College Level Transportation Technology**

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

Credit value: 1.0

Prerequisite: TTJ3C

### Communications Technology / Film

#### **AWR3M1 - Gr. 11 Mixed Level Film and Video**

Through use of digital video cameras and the editing program "Final Cut", students will create five film projects and will be assessed in the areas of technical film-making, editing and

storytelling. Students will be exposed to the entire continuum of movie production from idea generation, scripting, acting, shooting, editing and producing. This course provides students with opportunities to further develop their skills and knowledge in film making. Students will explore a range of subject matter through film studio/lab activities and will consolidate their practical technology skills. Students will also analyse film making and study aspects of Western film history, as well as films from Canada and other parts of the world.

Credit value: 1.0

Prerequisite: ADA1O, ADA2O, TGJ1O, TGJ2O

### **TGJ1O1 - Gr. 9 Open Level Communications Technology**

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.

Credit value: 1.0

Prerequisite: n/a

### **TGJ2O1 - Gr. 10 Open Level Communications Technology**

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 interactive new media 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 will explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

Credit value: 1.0

Prerequisite: n/a

### **TGJ3M1 - Gr. 11 Mixed Level Communications Technology**

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 will explore college and university programs and career opportunities in the various communications technology fields.

Credit value: 1.0

Prerequisite: n/a

### **TGJ4M1 - Gr. 12 Mixed Level Communications Technology**

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.

Credit value: 1.0

Prerequisite: TGJ3M

## **Computer Studies**

### **ICD201 - Gr. 10 Open Level Digital Technology and Innovations in the Changing World**

This course helps students develop cutting-edge digital technology and computer programming skills that will support them in contributing to and leading the global economic, scientific and societal innovations of tomorrow. Students will learn and apply coding concepts and skills to build hands-on projects and investigate artificial intelligence, cybersecurity, and other emerging digital technologies that connect to a wide range of fields and careers. Using critical thinking skills with a focus on digital citizenship, students will investigate the appropriate use and development of the digital technologies that they encounter every day, as well as the benefits and limitations of these technologies.

Credit value: 1.0

Prerequisite: n/a

### **TEJ201 - Gr. 12 Open Level Computer Technology**

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 related environmental and societal issues, and will learn about secondary and postsecondary pathways and career opportunities in computer technology.

Credit value: 1.0

Prerequisite: n/a

### **ICS3U1 - Gr. 11 University Level Introduction to Computer Science**

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.

Credit value: 1.0

Prerequisite: n/a

### **TEJ3M1 - Gr. 11 Mixed Computer Engineering Technology**

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 related environmental and societal issues, and will learn about college and university programs leading to careers in computer technology.

Credit value: 1.0

Prerequisite: n/a

### **ICS4U1 - Gr. 12 University Level Computer Science**

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.

Credit value: 1.0

Prerequisite: ICS3U

### **TEJ4M1 - Gr. 12 Mixed Level Computer Engineering Technology**

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 related environmental and societal issues, and will explore postsecondary pathways leading to careers in computer technology.

Credit value: 1.0

Prerequisite: TEJ3M

## **Construction / Woodworking**

### **TCJ2O1 - Gr. 10 Open Level Construction Technology**

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 related environmental and societal issues, and will explore postsecondary pathways leading to careers in computer technology.

Credit value: 1.0

Prerequisite: n/a

### **TCJ3C1 - Gr. 11 College Level Construction Engineering Technology**

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

Credit value: 1.0

Prerequisite: n/a

### **TWJ3E1 - Gr. 11 Workplace Level Custom Woodworking**

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 will explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation.

Credit value: 1.0

Prerequisite: n/a

### **TCJ3E4 - STICS - Gr. 11 Construction Engineering Technology**

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, layout, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore postsecondary and career opportunities in the field.

Credit value: 1.0

Prerequisite: n/a

### **TCJ4E4 - Gr. 12 College Level Construction Engineering Technology**

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 will explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation.

Credit value: 1.0

Prerequisite: TCJ3E4

### **TCJ4C1 - Gr. 11 College Level Construction Engineering Technology**

This course focuses on advanced residential construction, more complex construction systems, and the introduction of heavy construction related to commercial, industrial, and/or recreational construction. Students will learn about the tools, materials, equipment, and methods used in the light and heavy construction industries; structural analysis and design; presentation and working drawings; and auxiliary systems. They will also estimate materials and labour costs; study industry standards and building codes; consider health and safety issues; and explore energy conservation, careers, and the impact of construction technology on society and the environment.

Credit value: 1.0

Prerequisite: TCJ3C

### **TWJ4E1 - Gr. 12 Workplace Level Custom Woodworking**

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

Credit value: 1.0

Prerequisite: TWJ3E

### **Technology and the Skilled Trades**

#### **TAS1O1 - Technology and the Skilled Trades**

This hands-on course enables students to further explore the engineering design process and develop other technological knowledge and skills introduced in earlier grades. Students will design and safely create prototypes, products, and/or services, working with tools and technologies from various industries. As students develop their projects to address real-life problems, they will apply technological concepts such as precision measurement, as well as health and safety standards. Students will begin to explore job skills programs and education and training pathways, including skilled trades, that can lead to a variety of careers.

Credit value: 1.0

Prerequisite: n/a

### **Green Industries**

#### **THJ2O1 - Gr. 10 Open Level Green Industries**

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.

Credit value: 1.0

Prerequisite: n/a

### **THJ3E1 - Gr. 11 Workplace Level Green Industries**

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.

Credit value: 1.0

Prerequisite: n/a

### **THJ3M1 - Gr. 11 Mixed Level Green Industries**

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 will explore postsecondary education programs and career opportunities.

Credit value: 1.0

Prerequisite: n/a

### **THJ4E1 - Gr. 12 Workplace Level Green Industries**

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.

Credit value: 1.0



Prerequisite: n/a

### **THJ4M1 - Gr. 12 Mixed Level Green Industries**

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.

Credit value: 1.0

Prerequisite: THJ3M

### **Hair and Aesthetics**

#### **TXJ2O1 - Gr. 10 Open Level Hairstyling and Aesthetics**

This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Using materials, processes, and techniques used in the industry, students learn fundamental skills in hairstyling, giving manicures and facials, and providing hair/scalp analyses and treatments. Students will also consider related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the field of hairstyling and aesthetics.

Credit value: 1.0

Prerequisite: n/a

#### **TXJ3E1 - Gr. 11 Workplace Level Hairstyling and Aesthetics**

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 will 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 will also consider environmental and societal issues related to the industry, and will acquire a more detailed knowledge of apprenticeships and direct-entry work positions.

Credit value: 1.0

Prerequisite: n/a

#### **TXJ4E1 - Gr. 12 Workplace Level Hairstyling and Aesthetics**

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 will strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students will also expand their understanding of environmental and societal issues and their knowledge of postsecondary destinations in the hairstyling and aesthetics industry.

Credit value: 1.0

Prerequisite: TXJ3E

## **Hospitality and Tourism**

### **TFJ2O1 - Gr. 10 Open Level Hospitality and Tourism**

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.

Credit value: 1.0

Prerequisite: n/a

### **TFJ3C2 - Gr. 11 College Level Hospitality and Tourism**

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.

Credit value: 2.0

Prerequisite: n/a

### **TFJ3E2 - Gr. 11 Workplace Level Hospitality and Tourism**

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

Credit value: 2.0

Prerequisite: n/a

### **TFJ4C2 - Gr. 12 College Level Hospitality and Tourism**

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.

Credit value: 2.0

Prerequisite: TFJ3C2

### **TFJ4E2 - Gr. 12 Workplace Level Hospitality and Tourism**

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

Credit value: 2.0

Prerequisite: TFJ3E2

### **Manufacturing Technology**

#### **TMJ2O1 - Gr. 10 Open Level Manufacturing Technology**

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

Credit value: 1.0

Prerequisite: n/a

#### **TMJ3C1 - Gr. 11 College Level Manufacturing Technology**

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.

Credit value: 1.0

Prerequisite:

#### **TMJ3E1 - Gr. 11 Workplace Level Manufacturing Technology**

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.

Credit value: 1.0

Prerequisite:

### **TMJ3M1 - Gr. 11 Mixed Level Manufacturing Technology**

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.

Credit value: 1.0

Prerequisite: n/a

### **TMJ4C1 - Gr. 12 College Level Manufacturing Technology**

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.

Credit value: 1.0

Prerequisite: TMJ3C

### **TMJ4E1 - Gr. 12 Workplace Level Manufacturing Technology**

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 tools and equipment as they design and fabricate solutions to a variety of technological challenges in manufacturing. Students may also 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.

Credit value: 1.0

Prerequisite: TMJ3E

### **TMJ4M1 - Gr. 12 Mixed Level Manufacturing Technology**

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 analyse 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.

Credit value: 1.0

Prerequisite: TMJ3M

### **Medical Technology**

#### **TPJ3C1 - Gr. 11 College Level Medical Technology**

This course enables students to develop their understanding of basic health care procedures, including the safe use of appropriate instruments, equipment, and materials. Students will focus on health care fundamentals, including health care terminology and the anatomical features and physiology of some major body systems. Students will develop an awareness of health and safety issues in the health care field, environmental and societal issues related to health care, professional practice standards, and career opportunities in the field.

Credit value: 1.0

Prerequisite: SNC2D, SNC2P, SNC2DM

