

# Dryden High School



Scientia Prevalebit ~ Knowledge Will Prevail

## Grade 9-12 Course Calendar 2010-2011

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Grade 9-12 Course Calendars & Guides are available at [www.dhseagles.com](http://www.dhseagles.com)

## THE ARTS – DANCE ~ DRAMA ~ MUSIC ~ VISUAL ARTS

### Grade 9, Drama, Open (One Credit)

ADA 100

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.

### Grade 9, Instrumental Music, Open (One Credit)

AMU 100 or AMI 10F (If taken Fine Arts)

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.

### Grade 9, Visual Arts, Open (One Credit)

AVI 100

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.

### Grade 9, Expressing Aboriginal Cultures, Open (One Credit)

NAC100

Note: This course may be used to meet the compulsory credit requirements for the arts. This course examines Aboriginal cultures in Canada through an exploration of art forms – painting, sculpture, storytelling, dance, and music – created by Aboriginal artists. Students will learn to identify Aboriginal art forms and describe relationships between the art forms and Aboriginal traditions, philosophy, and culture. Students will also create their own art forms to express their understanding of Aboriginal identity, relationships, and sovereignty.

### Grade 10, Drama, Open (One Credit)

ADA 200

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

**Prerequisite:** None

### Grade 10, Music, Open (One Credit)

AMU 200 or AMI 20F (If taken Fine Arts)

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

**Prerequisite:** None

### Grade 10, Visual Arts, Open (One Credit)

AVI 200

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

**Prerequisite:** None

## THE ARTS...continued

### Grade 11, Dance, Open (One Credit)

ATC 300

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

Prerequisite: None

**CANCELLED**

### Grade 11, Drama, University/College (One Credit)

ADA 3M0

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

Prerequisite: ADA 100 or ADA 200 Recommended: ADA 200

### Grade 11, Drama, Open (One Credit)

ADA 300

This course requires students to engage in dramatic processes and the presentation of dramatic works, and emphasizes the application of drama skills in other contexts and opportunities. Students will interpret and present works in a variety of dramatic forms, create and script original works, and critically analyse the processes involved in producing dramatic works. Students will develop a variety of skills related to collaboration and the presentation of dramatic works.

Prerequisite: None Recommended: ADA 100 or ADA 200

### Grade 11, Music, University/College (One Credit)

AMU 3M0

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

Prerequisite: AMU 100 or AMI 10F or AMU 200 or AMI 20F Recommended: AMU 200 or AMI 20F

### Grade 11, Music, Open (One Credit)

AMU 300

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

Prerequisite: None Recommended: AMU 100 or AMU 200

### Grade 11, Visual Arts, University/College (One Credit)

AVI 3M0

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

Prerequisite: AVI 100 or AVI 200 Recommended: AVI 200

### Grade 11, Visual Arts, Open (One Credit)

AVI 300

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

Prerequisite: None Recommended: AVI 200

## THE ARTS...continued

### Grade 12, Drama, University/College (One Credit)

ADA 4M0

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

**Prerequisite:** ADA 3M0

### Grade 12, Drama, Workplace (One Credit)

ADA 4E0

This course requires students to create and present a variety of dramatic works relevant to the workplace. Students will develop character both through hands-on experience and project-based learning to build trust and collaborative skills and develop self-confidence. Students will also explore skills related to the study of drama that can be applied in the workplace.

**Prerequisite:** ADA 3O0

### Grade 12, Music, University/College (One Credit)

AMU 4M0

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

**Prerequisite:** AMU 3M0 or AMU3O0

### Grade 12, Music-Repertoire, University/College (One Credit)

AMR 4M0

This course emphasizes the appreciation and performance of various kinds of music encompassing all historical genres. Students will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities. This is a course designed to build performance skill in the classroom and in a public setting.

**Prerequisite:** AMU 4M0

### Grade 12, Visual Arts, University/ College (One Credit)

AVI 4M0

This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production. Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts.

**Prerequisite:** AVI 3M0

## BUSINESS

### Grade 9, Introduction to Business, Open (One Credit)

BBI 100

**Note:** Only one credit can be granted for either BBI 100 or BBI 200.

This course introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. Students will also learn concepts and skills related to personal finance, entrepreneurship, and international business.

### Grade 9, Introduction to Information Technology in Business, Open (One Credit)

BTT 100

**Note:** Only one credit can be granted for either BTT 100 or BTT 200.

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

**Grade 10, Introduction to Business, Open (One Credit)****BBI 200**

Note: Only one credit can be granted for either BBI 100 or BBI 200.

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

**Prerequisite:** None

**Grade 10, Introduction to Information Technology in Business, Open (One Credit)****BTT 200**

Note: Only one credit can be granted for either BTT 100 or BTT 200.

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

**Prerequisite:** None

**Grade 11, Financial Accounting Fundamentals, University/College (One Credit)****BAF 3M0**

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

Note: Students who have completed the secondary course BAF 3M –Financial Accounting Fundamentals at a 70% or higher average will be granted exemption credit for the Confederation College Course AC102- Introductory Accounting.

**Prerequisite:** None

**Grade 11, Entrepreneurship: The Venture, College (One Credit)****BDI 3C0**

Note: This course is associated with the operation of the school store.

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

**Prerequisite:** None

**Grade 11, Marketing: Goods, Service, Events, College, (One Credit)****BMI 3C0**

Note: This course is associated with the operation of the school store.

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. Curriculum expectations will be met through in-class and out of class components within the course.

Note: Students who have completed the secondary course BMI 3C –Marketing: Goods, Services, Events at a 70% or higher average will be granted exemption credit for the Confederation College Course MK 114 – Marketing Essentials.

**Prerequisite:** None

**Grade 11, Information & Communication Technology: The Digital Environment, Open (One Credit)****BTA 300**

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

**Prerequisite:** None

**Grade 11, Accounting Essentials, Workplace (One Credit)****BAI 3E0**

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

**Prerequisite:** None

**CANCELLED**

## BUSINESS...continued

### Grade 12, Student Leadership, University (One Credit)

IDC 4U0

This is an interdisciplinary course that focuses on the development of leadership skills. Students will study current leadership theory, develop and enhance their interpersonal communication and leadership skills. Planning, organizing and operating various school functions and events will be an important component of this course. Both Student Council and the Athletic Association will be incorporated into this course. This class will operate using a flexible timetable, so students should be prepared to spend some class time at lunch and/or after school. This course is developed using expectations from English, Physical Education and Business programs within Dryden High School.

**Prerequisite:** ENG 3U0, grade 11 students wishing to select IDC 4U0 must be completing ENG 3U0 in the same year

### Grade 12, Financial Accounting Principles, University/College (One Credit)

BAT 4M0

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 further develops accounting methods for assets and introduces accounting for partnerships, corporations, and sources of financing.

Note: Students who have completed the secondary course BAT 4M – Financial Accounting Principles at a 70% or higher average will be granted exemption credit for the Confederation College Course AC102- Introductory Accounting.

**Prerequisite:** BAF 3M0

### Grade 12, Information & Communication Technology: Multimedia Solutions, College (One Credit)

BTX 4C0

This course provides students with the opportunity to apply their information and communication technology skills while working in a team environment. Through a project-based approach, students will have opportunities to integrate common business software applications and apply multimedia techniques. Students will further develop their understanding of electronic business and e-commerce environments. The skills acquired in this course will prepare students for success in postsecondary studies and in their future careers.

**Prerequisite:** BTA 300

### Grade 12, Business and Technological Communication, Open (One Credit)

EBT 400

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

**Prerequisite:** ENG 3U0 or ENG 3C0 or ENG 3E0 or NBE 3U0 or NBE 3C0 or NBE 3E0

### Grade 12, Accounting For a Small Business, Workplace (One Credit)

BAN 4E0

This course further develops students' understanding of the fundamentals of accounting by having them examine each component of the accounting cycle, with an emphasis on the merchandising business. Students will use computer application software to learn how accounting is practiced in the workplace. Students will acquire an understanding of payroll systems, inventory, specialized journals, subsidiary ledgers, income tax reporting, and budgeting.

**Prerequisite:** BAN 3E0

## CAREERS & GUIDANCE

### Grade 10, Career Studies, Open (One Credit)

GLC 200

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

**Prerequisite:** None

## CAREERS & GUIDANCE...continued

### Grade 10, Discovering the Workplace, Workplace (One Credit)

GLD 200

(\*This course is designed for students who need to increase their employability skills prior to participating in cooperative education.)

This course provides students with opportunities to discover and develop the workplace essential skills and work habits required to be successfully employed, and helps students make plans for continued learning and work. Students will develop an understanding of work through practical hands-on experiences in the school and in the community, using real workplace materials. Students will investigate occupations of interest through experiential learning opportunities, such as worksite visits, job shadowing, work experience, simulations, and entrepreneurial projects.

#### **STUDENT ACCIDENT INSURANCE**

Student Accident Insurance is made available to all Keewatin Patricia District Board Students in September. This insurance is optional and is paid for by students and parents. All Cooperative Education students are strongly encouraged to purchase a policy.

Prerequisite: None

### Grade 12, Navigating the Workplace, Open (One Credit)

GLN 400

(\*This course is designed for students who need to increase their employability skills prior to participating in cooperative education or leaving for the world of work.)

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

#### **STUDENT ACCIDENT INSURANCE**

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Prerequisite: None

## CIVICS

### Grade 10, Civics, Open (One Credit)

CHV 200

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others ideas about civics questions and learn how to think critically about public issues and react responsibly to them.

Prerequisite: None

## COMPUTER STUDIES

### Grade 10, Introduction to Computer Studies, Open (One Credit)

ICS 200

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

Prerequisite: None

### Grade 11, Introduction to Computer Science, University, (One Credit)

ICS 3U0

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.

Prerequisite: None

## COMPUTER STUDIES...continued

### Grade 11, Introduction to Computer Programming, College (One Credit)

ICS 3C0

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

**Prerequisite:** None

### Grade 11, Computer Engineering Technology, University/College (One Credit)

TEJ 3M0

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

**Prerequisite:** None

### Grade 11, Computer Technology, Workplace (One Credit)

TEJ 3E0

This course enables students to develop knowledge and skills related to computer hardware, networks, operating systems, and other software. Students will use utility and application software and learn proper procedures for installing, maintaining, and troubleshooting computer systems and networks. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about apprenticeships and other employment opportunities in the field of computer technology that they may choose to pursue after graduation.

**Prerequisite:** None

### Grade 12, Computer Science, University (One Credit)

ICS 4U0

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

**Prerequisite:** ICS 3U0

### Grade 12, Computer Programming, College (One Credit)

ICS 4C0

This course further develops students' computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing and expand their understanding of environmental issues, emerging technologies, and computer-related careers.

**Prerequisite:** ICS 3C0 or ICS 3U0

### Grade 12, Computer Engineering Technology, University/College (One Credit)

TEJ 4M0

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

**Prerequisite:** TEJ 3M0 or the old ICE 3M0

### Grade 12, Computer Technology, Workplace (One Credit)

TEJ 4E0

This course enables students to further develop their practical understanding of computer hardware, software, networks, and operating systems. Students will use utility and application software, and will follow proper procedures for installing, maintaining, and troubleshooting computer systems and networks. In addition to demonstrating an understanding of the ethical use and environmental effects of computers, students will develop marketable skills and assess career opportunities in the field.

**Prerequisite:** TEJ 3E0 or TEJ 3M0, or the old ICE 3E0 or ICE 3M0

## Cooperative Education

### Cooperative Education, Workplace (Two Periods=Two Credits)

COOP2

Note: If you wish to take four periods of COOP choose COOP2 and COOP+2

Cooperative Education is a career-oriented program designed to integrate classroom theory with practical, meaningful experiences in the workplace. This bundled two credit course is open to all students, and affords each the opportunity to experiment with chosen career goals or interests while still in school. For students about to enter the world of work, or those interested in beginning the process of career planning, cooperative education offers a unique opportunity. Students spend three hours per day at a worksite which enables them to apply and refine the knowledge and skills acquired in a related curriculum course. Successful student should have a strong commitment to the program, have satisfactory attendance, positive attitude, and a willingness to complete all assigned tasks. Students MUST accumulate a minimum of 220 hours in a workplace environment to earn two credits.

#### **STUDENT ACCIDENT INSURANCE**

Student Accident Insurance is made available to all Keewatin Patricia District Board Students in September. This insurance is optional and is paid for by students and parents. All Cooperative Education students are strongly encouraged to purchase a policy.

Prerequisite: None

### Cooperative Education – French Immersion (Two periods=Two Credits)

COOPF2

### Cooperative Education – French Immersion (One period=One Credit)

COOPF

Cooperative Education is a career-oriented program designed to integrate classroom theory with practical, meaningful experiences in the workplace. This bundled two credit course is open to all French immersion students, and affords each the opportunity to experiment with chosen career goals or interests while still in school. For students about to enter the world of work, or those interested in beginning the process of career planning, cooperative education offers a unique opportunity. It enables students the opportunity to apply and refine the knowledge and skills acquired in a related French course. Successful student should have a strong commitment to the program, have satisfactory attendance, positive attitude, and a willingness to complete all assigned tasks. Students MUST accumulate a minimum of 110 hours in a workplace environment to earn a Co-op credit. Cooperative Education Placements are currently limited to a school environment. Students choosing to participate are expected to follow all expectation of this type of workplace.

#### **STUDENT ACCIDENT INSURANCE**

Student Accident Insurance is made available to all Keewatin Patricia District Board Students in September. This insurance is optional and is paid for by students and parents. All Cooperative Education students are strongly encouraged to purchase a policy.

Prerequisite: None

### Ontario Youth Apprenticeship Program (OYAP), Workplace

The Ontario Youth Apprenticeship Program (OYAP) is an opportunity for students to begin working on an apprenticeship in a skilled trade while still in high school and receive high school credits at the same time. OYAP students can begin to earn valuable hours towards apprenticeship training, recognized by the Ontario Ministry of Training, Colleges and Universities. The Ontario Youth Apprenticeship Program is offered through the Cooperative Education program. Students in a cooperative education placement can begin to work on the skills necessary to complete an apprenticeship. This can begin as early as grade 11 and can continue into grade 12. At the same time, students continue to work on compulsory and elective subjects necessary to complete grade 12. Students typically do not receive a wage while in high school, however, they leave with their OSSD and a career already underway! Students then continue with their apprenticeship heading toward certification.

Prerequisite: Current placement in Cooperative Education

### Specialized Cooperative Education Earn & Learn Program

The Specialized Cooperative Education Program provides participants with an opportunity to earn credits toward Ontario Secondary School Diplomas, while continuing to work. Participants work to complete course assignments and use their job as a coop placement.

Prerequisite: Admission into the Specialized Cooperative Education Program is only available to students who meet specific criteria and receive permission and approval from an in-school student support committee.

## ENGLISH

### Grade 9, English, Academic (One Credit)

ENG 1D0

This course emphasizes analytic reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs and their daily lives. Students will study and interpret texts from contemporary and historical periods, including plays, short stories, and short essays, and will investigate and create media works. An important focus will be the correct and effective use of spoken and written language.

### Grade 9, English, Applied (One Credit)

ENG 1P0

This course emphasizes key reading, writing, oral communication, and thinking skills that students need for success in secondary school and their daily lives. Students will study plays, short stories, and newspaper and magazine articles, and will describe and create media works. An important focus will be the correct use of spoken and written language.

### Grade 9, English, Essential (One Credit)

ENG 1L0

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the English Grade 11 Workplace Preparation course. The course is organized by strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students develop strategies and put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

### Grade 10, English, Academic (One Credit)

ENG 2D0

This course extends the range of analytic reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs. Students will study and interpret challenging texts from contemporary and historical periods, including novels, poems, plays, and opinion pieces, and will analyze and create effective media works. An important focus will be the thoughtful use of spoken and written language.

Prerequisite: ENG 1D0

### Grade 10, English, Applied (One Credit)

ENG 2P0

This course extends the range of key reading, writing, oral communication, and thinking skills that students need for success in all areas of the curriculum. Students will study novels, poems, magazines, and reports, and will describe, design, and produce effective media works. An important focus will be the clear and coherent use of spoken and written language.

Prerequisite: ENG 1P0 or ENG 1D0

### Grade 10, English, Essential (One Credit)

ENG 2L0

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. 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 in using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

Prerequisite: ENG 1L0 or ENG 1P0

### Grade 11, English, University (One Credit)

ENG 3U0

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will analyze challenging texts from various periods; conduct research and analyze the information gathered; write persuasive and literary essays; and analyze the relationship among media forms, audiences, and media industry practices. An important focus will be on understanding the development of the English language.

Prerequisite: ENG 2D0

### Grade 11, English, College (One Credit)

ENG 3C0

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will study the content, form, and style of informational texts and literary works from Canada and other countries; write reports, correspondence, and persuasive essays; and analyze media forms, audiences, and media industry practices. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity.

Prerequisite: ENG 2P0 or ENG 2D0

## ENGLISH...continued

### Grade 11, English, Essential (One Credit)

ENG 3E0

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will study the content, form, and style of informational texts and literary works; write explanations, letters, and reports; and investigate the connections among media forms, audiences, and media industry practices. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts.

**Prerequisite:** ENG 2L0 or ENG 2P0

### Grade 11, Media Studies, Open (One Credit)

EMS 300

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

**Prerequisite:** ENG 2D0 or ENG 2P0 or ENG 2L0

### Grade 11, English: Contemporary Aboriginal Voices, University (One Credit)

NBE 3U0

Note: This course may be used to meet the Grade 11 English compulsory credit requirement.

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship between media forms and audiences. An important focus will be the further development of students' understanding of English-language usage and conventions.

**Prerequisite:** ENG 2D0

### Grade 11, English: Contemporary Aboriginal Voices, College (One Credit)

NBE 3C0/NBE 3E0

Note: This course may be used to meet the Grade 11 English compulsory credit requirement.

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays, and analyse the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity.

**Prerequisite:** Approval from guidance department

### Grade 11, English: Contemporary Aboriginal Voices, Essential (One Credit)

NBE 3E0

Note: This course may be used to meet the Grade 11 English compulsory credit requirement.

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write explanations, letters, and reports, and will investigate the connections between media forms and audiences. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts.

**Prerequisite:** ENG 2L0 or ENG 2P0

### Grade 12, English, University (One credit)

ENG 4U0

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse a range of challenging texts from various time periods, countries, and cultures; write analytical and argumentative essays and a major paper for an independent literary research project; and apply key concepts to analyse media works. An important focus will be on understanding academic language and using it coherently and confidently in discussion and argument.

**Prerequisite:** ENG 3U0 or NBE 3U0

### Grade 12, English, College (One Credit)

ENG 4C0

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse informational texts and literary works from various time periods, countries, and cultures; write research reports, summaries, and short analytical essays; complete an independent study project; and analyse the interactions among media forms, audiences, and media industry practices. An important focus will be on establishing appropriate style and using business and technical language effectively.

**Prerequisite:** ENG 3C0 or NBE 3C0 or ENG 3U0 or NBE 3U0

## ENGLISH...continued

### Grade 12, English, Essential (One Credit)

ENG 4E0

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will study informational texts and literature from various countries and cultures; write summaries, reports, résumés, and short essays; complete an independent research project; and explain the connections among media forms, audiences, and media industry practices. An important focus will be on using specialized language related to the workplace accurately and coherently in appropriate contexts.

Prerequisite: ENG 3E0 or NBE 3E0 or ENG 3C0 or NBE 3C0

### Grade 12, The Writer's Craft, University (One Credit)

EWC 4U0

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

Prerequisite: ENG 3U0 or NBE 3U0

### Grade 12, Business and Technological Communication

EBT 400

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

Prerequisite: ENG 3U0 or ENG 3C0 or ENG 3E0 or NBE 3U0 or NBE 3C0 or NBE 3E0

**CANCELLED**

## French

### Grade 9, Core French, Academic (One Credit)

FSF 1D0

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

### Grade 9, Core French, Applied (One Credit)

FSF 1P0

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

### Grade 10, Core French, Academic (One Credit)

FSF 2D0

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

Prerequisite: FSF 1D0 or FSF 1P0

**CANCELLED**

## FRENCH IMMERSION

### Grade 9, French Immersion, Academic (One Credit)

FIF 1DI

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

### Grade 9, Geography of Canada (Immersion), Academic (One Credit)

CGC 1DI

This course draws on a variety of frameworks, such as the ecozone framework, and principles of physical, human, and economic geography, to explore Canada's distinct and evolving character. Students will investigate the interconnections among the landforms, climate, soils, plants, animals, and human activities in Canadian ecozones to develop geographic knowledge and skills that contribute to an understanding of Canada's diversity and its role in the world.

### Grade 9, Healthy Active Living Education (Immersion), Open (One Credit)

PPL 10I - Coed

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

### Grade 10, French Immersion, Academic (One Credit)

FIF 2DI

This course enables students to increase their knowledge of the French language and to further develop their language skills through the study of twentieth-century European francophone literature and culture. Students will participate in oral communication, reading, and writing activities based on a variety of French literary and media works. They will study at least one novel and a selection of poems, short stories, films, plays, and newspaper and magazine articles.

**Prerequisite:** FIF 1DI

### Grade 10, Healthy Active Living Education (Immersion), Open (One Credit)

PPL 20I - Coed

An excellent course for both beginners and those with Grade 9 experience, the 200 level Phys Ed uses increased game play to emphasize strategies for success in team and individual activities. Higher level skills and techniques are refined while students are made aware of the benefits provided by their increased fitness levels. Augmenting the physical activity are sections focused on lifestyle issues such as sexually transmitted diseases, contraception, drug abuse, goal setting, and healthy nutrition.

**Prerequisite:** None

### Grade 11, French Immersion, Academic (One Credit)

FIF 3UI

This course develops knowledge and language skills through the study of francophone literature and culture from around the world. Students will study novels, plays, poems, short stories, films, and non-fiction works and produce written assignments in a variety of forms, including critiques and précis. They will also write a formal research essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

**Prerequisite:** FIF 2DI

### Grade 11, Healthy Active Living Education (Immersion), Open (One Credit)

PPL 30I - Coed

This course focuses on developing a healthy lifestyle that can be carried on past high school. Community activities such as curling, bowling and broomball are among the lifelong choices sampled. Emphasis is on positive participation and the ability to incorporate students of all skill levels in an enjoyable manner. To help the student feel comfortable joining a recreational setting in the future, skills and rules are introduced. Issues such as healthy relationships, mental health and stress are also studied.

**Prerequisite:** FIF 1DI

### Grade 12, Healthy Active Living Education (Immersion), Open (One Credit)

PPL 40I - Coed

Taking responsibility for developing your own healthy, active lifestyle is at the core of this offering. Healthful community activities are researched and attempted with an emphasis on encouraging participation throughout life. Activities include golf, skiing, curling and ice sports among many others. Topics important to life on your own such as personal safety, conflict resolution and healthy pregnancy are explored.

**Prerequisite:** FIF 1DI

## FRENCH IMMERSION...continued

### Grade 12, French Immersion, Academic (One Credit)

FIF 4UI

This course provides for extensive study of French literature and culture from the Middle Ages to the present. Students will study novels, plays, poems, films, and non-fiction works produced in various historical periods, and will write a formal research paper. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

Prerequisite: FIF 3UI

### Cooperative Education – French Immersion (Two periods=Two Credits)

COOPF2

### Cooperative Education – French Immersion (One period=One Credit)

COOPF1

Cooperative Education is a career-oriented program designed to integrate classroom theory with practical, meaningful experiences in the workplace. This bundled two credit course is open to all French immersion students, and affords each the opportunity to experiment with chosen career goals or interests while still in school. For students about to enter the world of work, or those interested in beginning the process of career planning, cooperative education offers a unique opportunity. It enables students the opportunity to apply and refine the knowledge and skills acquired in a related French course. Successful student should have a strong commitment to the program, have satisfactory attendance, positive attitude, and a willingness to complete all assigned tasks. Students MUST accumulate a minimum of 110 hours in a workplace environment to earn a Co-op credit. Cooperative Education Placements are currently limited to a school environment. Students choosing to participate are expected to follow all expectation of this type of workplace.

### STUDENT ACCIDENT INSURANCE

Student Accident Insurance is made available to all Keewatin Patricia District Board Students in September. This insurance is optional and is paid for by students and parents. All Cooperative Education students are strongly encouraged to purchase a policy.

Prerequisite: None

### Four Year Plan for Immersion Students (subject to change) - French Immersion certificate requirements (total of 10 credits);

- All four of FIF 1DI, FIF 2DI, FIF 3UI, and FIF 4UI
- Six of PPL 1OI, PPL 2OI, CGC 1DI, CHC 2DI, CIVCFI, HIF 2OI, PPL 3OI, PPL 4OI, COOPF (1 or 2 credits)  
(HIF 2OI will not be running past 2009-2010)

GRADE 9	GRADE 10	GRADE 11	GRADE 12
2007-2008 FIF 1DI CIV CFI	2008-2009 FIF 2DI CHC 2DI PPL1OI/2OI CGC 1DI	2009-2010 FIF 3UI HIF 2OI COOPF (1 OR 2 CREDITS)	2010-2011 FIF 4UI PPL 3OI/4OI COOPF (1 OR 2 CREDITS)
2008-2009 FIF 1DI CHC 2DI PPL1OI/2OI CGC 1DI	2009-2010 FIF 2DI HIF 2OI	2010-2011 FIF 3UI PPL 3OI/4OI COOPF (1 OR 2 CREDITS)	2011-2012 FIF 4UI CIV CFI COOPF (1 OR 2 CREDITS)
2009-2010 FIF 1DI HIF 2OI	2010-2011 FIF 2DI PPL 1OI/2OI CGC 1DI PPL 3OI/4OI	2011-2012 FIF 3UI CHC 2DI CIV CFI COOPF (1 OR 2 CREDITS)	2012-2013 FIF 4UI PPL 3OI/4OI COOPF (1 OR 2 CREDITS)
2010-1011 FIF 1DI PPL 1OI/2OI CGC 1DI	2011-2012 FIF 2DI CHC 2DI FIF 2OI	2012-2013 FIF 3UI PPL 3OI/4OI COOPF (1 OR 2 CREDITS)	2013-2014 FIF 4UI PPL 3OI/4OI COOPF (1 or 2 credits)

# GEOGRAPHY

## Grade 9, Geography of Canada, Academic (One Credit)

CGC1D0

This course draws on a variety of frameworks, such as the ecozone framework, and principles of physical, human, and economic geography, to explore Canada's distinct and evolving character. Students will investigate the interconnections among the landforms, climate, soils, plants, animals, and human activities in Canadian ecozones to develop geographic knowledge and skills that contribute to an understanding of Canada's diversity and its role in the world.

## Grade 9, Geography of Canada, Applied (One Credit)

CGC 1P0

This course draws upon students' everyday experiences and uses a variety of frameworks, including the ecozone framework, to help students learn about the geography of Canada and the country's place in the global community. Students will investigate the interconnections among the country's land forms, climates, soils, plants, animals, and human activities in order to understand Canada's character and diversity.

## Grade 11, Physical Geography: Processes and Interactions, University/College (One Credit)

CGF 3M0

This course examines the major patterns of physical geography and the powerful forces that affect them. Students will investigate the dynamic nature of the earth, the evolving relationship between the planet and its people, and the factors that limit our ability to predict the changes that will occur. Students will use a wide range of geotechnologies and inquiry methods to investigate the distribution and interaction of the elements of their physical environment and to communicate their findings.

**Prerequisite:** CGC 1P0 or CGC 1D0

## Grade 11, Outdoor Education, Open (One Credit)

IDC 300

This course offers a unique blend of Geography, Science, and Outdoor Recreation, with an emphasis on enjoying the outdoor activities our region has to offer. Students will develop an appreciation and respect for our environment while participating in a variety of outdoor activities such as orienteering, snowshoeing, dog sledding, trapping, winter and summer camping, fire and shelter building, fishing, and canoeing. In addition, students will receive training in first aid and wilderness survival. This course has a strong emphasis on leadership, responsibility, cooperation, and environmental stewardship. Some Certification Fees may apply.

Note: Students who have successfully completed two recognized certifications will be granted exemption credit for the Confederation College Course TA 104 – Industry Certifications.

**Prerequisite:** None

## Grade 12, Canadian and World Issues: A Geographical Analysis, University (One Credit)

CGW 4U0

This course examines the global challenges of creating a sustainable and equitable future, focusing on current issues that illustrate these challenges. Students will investigate a range of topics, including cultural, economic, and geopolitical relationships, regional disparities in the ability to meet basic human needs, and protection of the natural environment. Students will use geotechnologies and skills of geographic inquiry and analysis to develop and communicate balanced opinions about the complex issues facing Canada and a world that is interdependent and constantly changing.

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

## Grade 12, Geomatics: Geotechnologies in Action, University/College (One Credit)

CGO 4M0

This course gives students experience with using geotechnologies to develop solutions to real-world problems involving physical and human geography. Students will extend their knowledge of geomatics in the areas of cartography, geographic information systems (GIS), the global positioning system (GPS), and remote sensing. Students will develop critical-thinking and communication skills as they apply geotechnologies and geographic inquiry methods to devise and present ways of improving conditions for people and the environment.

Note: Students who have successfully completed two recognized certifications will be granted exemption credit for the Confederation College Course TA 104 – Industry Certifications.

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

## HEALTH AND PHYSICAL EDUCATION

### **Grade 9, Healthy Active Living Education, Open (One Credit)**

**PPL 10G (girls) or PPL 10B (boys)**

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

### **Grade 10, Healthy Active Living Education, Open (One Credit)**

**PPL 20G (girls) or PPL 20B (boys)**

An excellent course for both beginners and those with Grade 9 experience, the 200 level Phys Ed uses increased game play to emphasize strategies for success in team and individual activities. Higher level skills and techniques are refined while students are made aware of the benefits provided by their increased fitness levels. Augmenting the physical activity are sections focused on lifestyle issues such as sexually transmitted diseases, contraception, drug abuse, goal setting, and healthy nutrition.

**Prerequisite:** None

### **Grade 10, Personal and Fitness Activities, Open (One Credit)**

**PAF 20G – Female Only**

This course is available for females, building on current and future personal goals. Use of the school's weight room and fitness apparatus as well as more individual activities such as yoga, pilates, dance, 'stations' for developing components of fitness will be incorporated. In-class sessions will include fitness and nutrition relationships, journals, logbooks, articles from the web. etc.

**Prerequisite:** None

### **Grade 10, Hockey/Soccer, Open (One Credit)**

**PAI 200**

This course will look in detail at two sports, aiming to challenge students already somewhat familiar with the sport. This will be done through specific drills and training techniques at the appropriate venues. Physical training will be augmented by film study, data manipulation, strategy sessions and scorekeeping. Attempts will be made to provide certification such as Level 1 NCCP coaching, Level 1 Refereeing and First Aid. In the 2010-2011 a hockey/soccer course will be offered and in 2011-2012 will see the basketball/volleyball course in its place.

**Prerequisite:** None

### **Grade 11, Healthy Active Living Education, Open (One Credit)**

**PPL 300 - Coed**

This course focuses on developing a healthy lifestyle that can be carried on past high school. Community activities such as curling, bowling and broomball are among the lifelong choices sampled. Emphasis is on positive participation and the ability to incorporate students of all skill levels in an enjoyable manner. To help the student feel comfortable joining a recreational setting in the future, skills and rules are introduced. Issues such as healthy relationships, mental health and stress are also studied.

**Prerequisite:** None

### **Grade 11, Health for Life, Open (One Credit)**

**PPZ 300 – Coed**

This course helps students develop a personalized approach to healthy living. Students examine factors that affect their own health and the health of individuals as members of the community. They learn about healthy eating, an active lifestyle, and positive self image. Throughout this course, students develop and implement the skills necessary to take charge of, and improve, their own health.

**Prerequisite:** None

### **Grade 12, Healthy Active Living Education, Open (One Credit)**

**PPL 400 – Coed**

Taking responsibility for developing your own healthy, active lifestyle is at the core of this offering. Healthful community activities are researched and attempted with an emphasis on encouraging participation throughout life. Activities include golf, skiing, curling and ice sports among many others. Topics important to life on your own such as personal safety, conflict resolution and healthy pregnancy are explored.

**Prerequisite:** None

## HEALTH AND PHYSICAL EDUCATION...continued

### Grade 12, Exercise Science (Kinesiology), University (One Credit)

PSE 4U0

This course focuses on the study of human movement and systems as well as the factors and principles involved in human development. Topics include: Introduction to Anatomy and Physiology, Human Performance and Biomechanics, Motor Learning and Skill Development and Social Issues in Physical Activity. The course helps prepare students for University programs in Kinesiology, Physical Education, Nursing and other Exercise Science based studies such as Physiotherapy, Massage Therapy etc.

**Prerequisite:** SCH 3U0 or SBI 3U0 or SPH 3U0 or SVN 3M0

## HISTORY

### Grade 10, Canadian History Since World War I, Academic (One Credit)

CHC 2D0

This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.

**Prerequisite:** None

### Grade 10, Canadian History Since World War 1, Applied (One Credit)

CHC 2P0

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

**Prerequisite:** None

### Grade 10, Canadian History in the Twentieth Century, Essential (One Credit)

CHC 2L0

This course focuses on the connections between the student and key people, events and themes in Canadian contemporary studies. Students prepare for grade 11 Canadian and World Studies Workplace Preparation courses through the development and extension of historical literacy skills and critical thinking skills. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships and changes since 1914, are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practice reading, writing, visual, and oral literacy skills to identify and communicate ideas in a variety of media.

**Prerequisite:** None

### Grade 10, Civics, Open (One Credit)

CHV 200

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others ideas about civics questions and learn how to think critically about public issues and react responsibly to them.

**Prerequisite:** None

### Grade 11, World History in the Sixteenth Century, University/College (One Credit)

CHW 3M0

This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyse diverse societies from around the world, with an emphasis on the political, cultural and economic structures and historical forces that have shaped the modern world. They will apply historical inquiry, critical-thinking, and communication skills to evaluate the influence of selected individuals, groups, and innovations and to present their own conclusions.

**Prerequisite:** CHC 2D0 or CHC 2P0

## HISTORY...continued

### Grade 11, World History Since 1900: Global and Regional Perspectives, Open (One Credit)

CHT 300

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

**Prerequisite:** CHC 2D0 or CHC 2P0 or CHC 2L0

### Grade 12, Canadian History, Identity & Culture, University (One Credit)

CHI 4U0

This course explores the challenges associated with the formation of a Canadian national identity. Students will examine the social, political, and economic forces that have shaped Canada from the pre-contact period to the present and will investigate the historical roots of contemporary issues from a variety of perspectives. Students will use critical-thinking and communication skills to consider events and ideas in historical context, debate issues of culture and identity, and present their own views.

**Prerequisite:** Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities. **Recommended:** ENG 3U0 or ENG 4U0

### Grade 12, World History: The West and the World, University (One Credit)

CHY 4U0

This course investigates the major trends in Western civilization and world history from the sixteenth century to the present. Students will learn about the interaction between the emerging West and other regions of the world and about the development of modern social, political, and economic systems. They will use critical-thinking and communication skills to investigate the historical roots of contemporary issues and present their conclusions.

**Prerequisite:** Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities. **Recommended:** ENG 3U0 or ENG4U0

### Grade 12, Adventures in World History, Essential (One Credit)

CHM 4E0

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

**Prerequisite:** CHC 2D0 or CHC 2P0 or CHC 2L0

## LAW

### Grade 11, Understanding Canadian Law, University/College (One Credit)

CLU 3M0

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

**Prerequisite:** CHC 2D0 or CHC 2P0

### Grade 11, Understanding Canadian law, Workplace (One Credit)

CLU 3E0

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

**Prerequisite:** CHC 2P0 or CHC 2L0

### Grade 12, Canadian and International Law, University (One Credit)

CLN 4U0

This course examines elements of Canadian and International law in social, political, and global contexts. Students will study the historical and philosophical sources of law and the principles and practices of international law and will learn to relate them to issues in Canadian society and the wider world. Students will use critical-thinking and communication skills to analyse legal issues, conduct independent research, and present the results of their inquiries in a variety of ways.

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

## LEADERSHIP

### Grade 12, Student Leadership, University (One Credit)

IDC 4U0

This is an interdisciplinary course that focuses on the development of leadership skills. Students will study current leadership theory, develop and enhance their interpersonal communication and leadership skills. Planning, organizing and operating various school functions and events will be an important component of this course. Both Student Council and the Athletic Association will be incorporated into this course. This class will operate using a flexible timetable, so students should be prepared to spend some class time at lunch and/or after school. This course is developed using expectations from English, Physical Education and Business programs within Dryden High School.

**Prerequisite:** ENG 3U0, grade 11 students wishing to select IDC 4U0 must be completing ENG 3U0 in the same year

## MATHEMATICS

### Grade 9, Principles of Mathematics, Academic (One Credit)

MPM 1D0

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

### Grade 9, Foundations of Mathematics, Applied (One Credit)

MFM1P0

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

### Grade 9, Foundations of Mathematics, Essentials (One Credit)

MAT1L0

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace and in the Grade 10 locally developed compulsory course. This course is organized in three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on developing and consolidating key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

### Grade 10, Principles of Mathematics, Academic (One Credit)

MPM 2D0

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

**Prerequisite:** MPM 1D0

### Grade 10, Foundations of Mathematics, Applied (One Credit)

MFM 2P0

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

**Prerequisite:** MPM 1D0 or MFM 1P0

**Grade 10, Mathematics, Essential (One Credit)****MAT 2L0**

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized in three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

**Prerequisite:** MFM 1P0 or MAT 1L0

**Grade 11, Functions, University (One Credit)****MCR 3U0**

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

**Prerequisite:** MPM 2D0 (students choosing MCR 3U need to have an aptitude for math and a reasonably high achievement in MPM 2D0)

**Grade 11, Functions and Applications, University/College (One Credit)****MCF 3M0**

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

**Prerequisite:** MPM 2D0 or MPM 2P0 **Recommended:** MPM 2D0

**Grade 11, Foundations for College Mathematics, College (One Credit)****MBF 3C0**

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; and develop their ability to reason by collecting, analyzing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

**Prerequisite:** MPM 2D0 or MPM 2P0

**Grade 11, Mathematics for Work and Everyday Life, Workplace (One Credit)****MEL 3E0**

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

**Prerequisite:** MPM 1D0 or MFM 1P0 or MFM 2P0 or MAT 2L0

**Grade 12, Advanced Functions, University (One Credit)****MHF 4U0**

Note: This course is only offered in semester one

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

**Prerequisite:** MCR 3U0 or MCT 4C0

## MATHEMATICS...continued

### Grade 12, Calculus, University (One Credit)

MCV 4U0

Note: This course is only offered in semester two

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

**Prerequisite:** MHF 4U0

### Grade 12, Mathematics of Data, University (One Credit)

MDM 4U0

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 programs in business, the social sciences, and the humanities will find this course of particular interest.

**Prerequisite:** MCR 3U0 or MCF 3M0

### Grade 12, Mathematics for College Technology, College (One Credit)

MCT 4C0

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs.

**Prerequisite:** MCR 3U0 or MCF 3M0

### Grade 12, Foundations for College Mathematics, College (One Credit)

MAP 4C0

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

**Prerequisite:** MCR 3U0 or MCF 3M0 or MBF 3C0

### Grade 12, Mathematics for Work and Everyday Life, Essential (One Credit)

MEL 4E0

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

**Prerequisite:** MFM 2P0 or MEL 3E0 or MBF 3C0

## NATIVE LANGUAGE

### Grade 9, Native Languages – Level 1, Open (One Credit)

LNO A00

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 practice basic vocabulary and phrases. Students will also use information technology during course-related activities.

### Grade 10, Native Languages – Level 2, Open (One Credit)

LNO B00

This course will enable students to experience the unique respect for life that permeates Native languages and cultures. Students will expand their vocabulary and knowledge of phrases and expressions, using them in simple dialogues, narrative writing, grammatical constructions, and reading, and to exchange information electronically.

**Prerequisite:** LNO A00 or demonstrated proficiency

### Grade 11, Native Languages – Level 3, Open (One Credit)

LNO C00

This course will provide students an opportunity to expand their knowledge of a Native language and of Native philosophy, spirituality, and values, and to enhance their identity and self-worth. Students will communicate by using a variety of phrases and expressions, create short conversations, skits, stories, and narratives, use information technology, and develop an awareness of the structural and functional workings of a Native language.

**Prerequisite:** LNO B00 or demonstrated proficiency

## NATIVE STUDIES

### Grade 9, Expressing Aboriginal Cultures, Open (One Credit)

NAC100

Note: This course may be used to meet the compulsory credit requirements for the arts.

This course examines Aboriginal cultures in Canada through an exploration of art forms – painting, sculpture, storytelling, dance, and music – created by Aboriginal artists. Students will learn to identify Aboriginal art forms and describe relationships between the art forms and Aboriginal traditions, philosophy, and culture. Students will also create their own art forms to express their understanding of Aboriginal identity, relationships, and sovereignty.

### Grade 10, Aboriginal Peoples in Canada, Open (One Credit)

NAC 200

This course emphasizes historical and contemporary issues that affect the relationship between Aboriginal peoples and Canadian governments. Students will examine legal, political, social, and economic issues; key aspects of the Indian Act and its revisions that have an impact on the daily lives of Aboriginal persons; the different types of relationships that Aboriginal peoples have established with other nations throughout history; and the methodology of historical inquiry.

**Prerequisite:** None

### Grade 11, English: Contemporary Aboriginal Voices, University (One Credit)

NBE 3U0

Note: This course may be used to meet the Grade 11 English compulsory credit requirement.

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship between media forms and audiences. An important focus will be the further development of students' understanding of English language usage and conventions.

**Prerequisite:** ENG 2D0

### Grade 11, English: Contemporary Aboriginal Voices, College (One Credit)

NBE 3C0/NBE 3E0

Note: This course may be used to meet the Grade 11 English compulsory credit requirement.

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays, and analyse the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity.

**Prerequisite:** Approval from guidance department

## NATIVE STUDIES...continued

### Grade 11, English: Contemporary Aboriginal Voices, Essential (One Credit)

NBE 3E0

Note: This course may be used to meet the Grade 11 English compulsory credit requirement.

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write explanations, letters, and reports, and will investigate the connections between media forms and audiences. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts.

Prerequisite: ENG 2L0 or ENG 2P0 or ENG 2D0

CANCELLED

### Grade 11, Current Aboriginal Issues in Canada, University/College (One Credit)

NDA 3M0

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

Prerequisite: NAC 200 or CHC 2D0 or CHC 2P0

CANCELLED

### Grade 11, Aboriginal Beliefs, Values, and Aspirations, College (One Credit)

NBV 3C0/NBV3E0

This course focuses on the beliefs, values, and aspirations of Aboriginal peoples in Canada. Students will examine world views of Aboriginal peoples and the political, economic, cultural, and social challenges facing individuals and communities. Students will also learn how traditional and contemporary beliefs and values influence the aspirations and actions of Aboriginal peoples.

Note: Students who have completed the secondary course NBV 3C at a 60% or higher average will be granted exemption credit for the Confederation College Course SY 066.

Prerequisite: NAC 200 or CHC 2D0 or CHC 2P0

### Grade 11, Aboriginal Beliefs, Values, and Aspirations, College (One Credit)

NBV 3E0

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

Prerequisite: NAC 200 or CHC 2D0 or CHC 2P0 or CHC 2L0

CANCELLED

### Grade 12, Issues of Indigenous peoples in a Global Context, University/College (One Credit)

NDW 4M0

This course provides students with an overview of the issues and challenges that confront indigenous peoples worldwide. Students will develop an understanding of the concerns and aspirations of the world's indigenous population, plan and conduct research on global issues that have an impact on indigenous peoples, and use information technology to consult materials related to the views of indigenous peoples throughout the world.

Prerequisite: Any Grade 11 university, university/college, or college preparation course in Native studies

CANCELLED

## OUTDOOR EDUCATION

### Grade 11, Outdoor Education, Open (One Credit)

IDC 300

This course offers a unique blend of Geography, Science, and Outdoor Recreation, with an emphasis on enjoying the outdoor activities our region has to offer. Students will develop an appreciation and respect for our environment while participating in a variety of outdoor activities such as orienteering, snowshoeing, dog sledding, trapping, winter and summer camping, fire and shelter building, fishing, and canoeing. In addition, students will receive training in first aid and wilderness survival. This course has a strong emphasis on leadership, responsibility, cooperation, and environmental stewardship. Some Certification Fees may apply.

Note: Students who have successfully completed two recognized certifications will be granted exemption credit for the Confederation College Course TA 104 – Industry Certifications.

Prerequisite: None

## SCIENCE

### Grade 9, Science, Academic (One Credit)

SNC1D0

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

### Grade 9, Science, Applied (One Credit)

SNC 1P0

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

### Grade 9, Science, Essential (One Credit)

SNC 1L0

This course reinforces and strengthens science related knowledge and skills like inquiry, literacy, math and critical thinking. Students discover relationships between science, society and the environment through hands on learning. This course will prepare students for success in everyday life, in the workplace and for future science courses. Topics covered are science in daily life, properties of material, life sustaining processes in organisms, and electrical circuits.

### Grade 10, Science, Academic (One Credit)

SNC 2D0

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

**Prerequisite:** SNC 1D0

### Grade 10, Science, Applied (One Credit)

SNC 2P0

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

**Prerequisite:** SNC 1P0 or SNC 1D0

### Grade 10, Science, Essential (One Credit)

SNC 2L0

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace and in the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in the media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

**Prerequisite:** SNC 1L0 or SNC 1P0

### Grade 11, Biology, University (One Credit)

SBI 3U0

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

**Prerequisite:** SNC 2D0

## SCIENCE...continued

### Grade 11, Biology, College (One Credit)

SBI 3C0

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

**Prerequisite:** SNC 2P0 or SNC 2D0

### Grade 11, Chemistry, University (One Credit)

SCH 3U0

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

**Prerequisite:** SNC 2D0

### Grade 11, Physics, University (One Credit)

SPH 3U0

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

**Prerequisite:** SNC 2D0

### Grade 11, Environmental Science, University/College

SVN 3M0

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

**Prerequisite:** SNC 2D0 or SNC 2P0

### Grade 11, Environmental Science, Essential (One Credit)

SVN 3E0

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

**Prerequisite:** SNC 1P0 or SNC 2P0 or SNC 1L0 or SNC 2L0

### Grade 12, Biology, University (One Credit)

SBI 4U0

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

**Prerequisite:** SBI 3U0 **Recommended:** SCH 3U0

### Grade 12, Chemistry, University (One Credit)

SCH 4U0

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

**Prerequisite:** SCH 3U0

## SCIENCE...continued

### Grade 12, Chemistry, College (One Credit)

SCH 4C0

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

**Prerequisite:** SNC 2P0 or SNC 2D0

### Grade 12, Physics, University (One Credit)

SPH 4U0

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.

**Prerequisite:** SPH 3U0

## SOCIAL SCIENCES AND HUMANITIES

### Grade 9, Food and Nutrition, Open (One Credit)

HFN 100

Note: Only one credit can be granted for either HFN 100 or HFN 200

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

### Grade 10, Food and Nutrition, Open (One Credit)

HFN 200

Note: Only one credit can be granted for either HFN 100 or HFN 200

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

**Prerequisite:** None

### Grade 10, Individual Family Living, Open (One Credit)

HIF 200

This Family Studies course will enable students to acquire knowledge and develop skills relating to meeting basic needs, developing relationships within the family and with others, managing resources, and becoming responsible members of society. Students will acquire skills in decision-making and practical skills related to food preparation, sewing, and budgeting. Students will be required to purchase their own fabric and thread for this course.

**Prerequisite:** None

### Grade 11, Introduction to Anthropology, University/College (One Credit)

HSP 3M0

This course introduces the theories, questions, and issues that are the major concerns of anthropology, psychology, and sociology. Students will develop an understanding of the way social scientists approach the topics they study and the research methods they employ. Students will be given opportunities to explore theories from a variety of perspectives and to become familiar with current thinking on a range of issues that have captured the interest of classical and contemporary social scientists in the three disciplines.

**Prerequisite:** None

### Grade 11, World Religions: Beliefs, Issues, and Religious Traditions (One Credit)

HRT 3M0

This course enables students to discover what others believe and how they live and to appreciate their own unique heritage. Students will learn about the teachings and traditions of a variety of religions, the connections between religion and the development of civilizations, the place and function of religion in human experience, and the influence of a broad range of religions on contemporary society. This course also introduces students to skills used in researching and investigating world religions.

**Prerequisite:** None

## SOCIAL SCIENCES AND HUMANITIES...continued

### Grade 11, Parenting, Open (One Credit)

HPC 300

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

**Prerequisite:** None

### Grade 12, Philosophy: Questions & Theories, University (One Credit)

HZT 4U0

This course addresses three (or more) of the main areas of philosophy: metaphysics, logic, epistemology, ethics, social and political philosophy, and aesthetics. Students will learn critical thinking skills, the main ideas expressed by philosophers from a variety of the world's traditions, how to develop and explain their own philosophical ideas, and how to apply those ideas to contemporary social issues and personal experiences. The course will also help students refine skills used in researching and investigating topics in philosophy.

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

### Grade 12, Food & Nutrition Sciences, University/College (One Credit)

HFA 4M0

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

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

### Grade 12, Parenting and Human Development, Essential (One Credit)

HPD 4E0

This course prepares students for occupations involving older children, and for the responsibility of parenting, with emphasis on school-age and adolescent children. Students will learn, through practical experience in the community, how early child development affects later development, success in school, and personal and social well-being throughout life, and how children and parents change over time. This course also develops students' skills in researching and investigating various aspects of parenting and human development.

**Prerequisite:** None

## TECHNOLOGY

### Grade 9, Exploring Technologies, Open (One Credit)

TIJ 100

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

### Grade 10, Integrated Trade Program, Open (One Credit)

TCJ 200

### Grade 10, Integrated Trade Program, Open (One Credit)

TCJ 20G – Female Only

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

**Note:** This course requires students to design, build and evaluate projects using the design process. The project will focus on the development of a multi-skilled project which would use an appropriate trade cluster. The units are presented for flexibility in achieving the overall and specific expectations identified for this course.

**Prerequisite:** None

## TECHNOLOGY...continued

### Grade 10, Communication Technology, Open (One Credit)

TGJ 200

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

Prerequisite: None

### Grade 10, Transportation Technology, Open (One Credit)

TTJ 200

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

Prerequisite: None

### Grade 10, Hairstyling and Aesthetics, Open (One Credit)

TXJ 200

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

Prerequisite: None

### Grade 11, Construction Engineering, College (Two periods=Two credits)

TCJ 3C2

### Grade 11, Construction Engineering, College (One period=One credit)

TCJ 3C1

Note: High skills major students must chose TCJ 3C2

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

Prerequisite: None

### Grade 11, Construction Engineering, Workplace (Two Periods=Two Credits)

TCJ 3E2

### Grade 11, Construction Engineering, Workplace (One Period=One Credit)

TCJ 3E1

Note: High skills major students must chose TCJ 3E2

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

Prerequisite: None

### Grade 11, Technological Design & the Environment, Open (One Credit)

TDJ 300

### Grade 11, Technological Design & the Environment, Open (One Credit)

TDJ 30G – Female Only

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

Prerequisite: None

## TECHNOLOGY...continued

### Grade 11, Communication Technology, University/College (One Credit)

TGJ 3M0

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

**Prerequisite:** None **Recommended:** TGJ 200

### Grade 11, Communication Technology: Broadcast & Print Production, Open (One Credit)

TGJ 300

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

**Prerequisite:** None

### Grade 11, Transportation Technology, College (Two Periods=Two Credits)

TTJ 3C2

### Grade 11, Transportation Technology, College (One Period=One Credit)

TTJ 3C1

Note: High skills major students must chose TTJ 3C2

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

**Prerequisite:** None

### Grade 11, Transportation Technology: Vehicle Ownership, Open (One Credit)

TTJ 301

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

**Prerequisite:** None

### Grade 11, Hairstyling and Aesthetics, Workplace (One Credit)

TXJ 3E0

This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and clients. Students consider environmental and societal issues related to the industry and acquire a more detailed knowledge of apprenticeships and direct entry work positions.

**Prerequisite:** None

### Grade 12, Construction Engineering Technology, College (Two Periods=Two Credits)

TCJ 4C2

### Grade 12, Construction Engineering Technology, College (One Period=One Credit)

TCJ 4C1

Note: High skills major students must chose TCJ 4C2

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

Note: This course may be offered as a dual credit in conjunction with Confederation College. For more information contact the DHS guidance office.

**Prerequisite:** TCJ 3C1 or TCJ 3C2

## TECHNOLOGY...continued

**Grade 12, Construction Engineering Technology, Workplace (Two Periods=Two Credits)**

TCJ 4E2

**Grade 12, Construction Engineering Technology, Workplace (One Period=One Credit)**

TCJ 4E1

Note: High skills major students must chose TCJ 4E2

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

**CANCELLED**

**Prerequisite:** TCJ 3E1 or TCJ 3E2 or TCJ 3C1 or TCJ 3C2

**Grade 12, Technological Design in the Twenty-First Century, Open (One Credit)**

TDJ 400

This course focuses on the relationship between society and technological development. Students will use appropriate tools, techniques, and strategies to research, design, build, and assess prototypes for products and/or processes that respond to society's changing needs. Students will describe how social factors, including culture, media, politics, religion, and environmental concerns, influence technological design. Students will also learn about professional practices in the field, and will research postsecondary pathways leading to careers related to technological design.

**Prerequisite:** None

**Grade 12, Communications Technology, University/College (One Credit)**

TGJ 4M0

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

**Prerequisite:** TGJ 3M0

**Grade 12, Communications Technology, Open (One Credit)**

TGJ 400

This course enables students to develop knowledge and skills in the areas of photography, digital imaging, animation, 3D modelling, and web design. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Practical projects may include photo galleries, digital images, animations, 3D models, and websites. Students will also expand their awareness of environmental and societal issues related to communications technology and explore postsecondary education, training, and career opportunities.

**Prerequisite:** None

**Grade 12, Transportation Technology, College (Two Periods=Two Credits)**

TTJ 4C2

**Grade 12, Transportation Technology, College (One Period=One Credit)**

TTJ 4C1

Note: High skills major students must chose TTJ 4C2

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

Note: This course may be offered as a dual credit in conjunction with Confederation College. For more information contact the DHS guidance office.

**Prerequisite:** TTJ 3C1 or TTJ 3C2

## TECHNOLOGY...continued

Grade 12, Transportation Technology: Vehicle Maintenance, Workplace (Two Periods=Two Credits)

TTJ 4E2

Grade 12, Transportation Technology: Vehicle Maintenance, Workplace (One Periods=One Credit)

TTJ 4E1

Note: High skills major students must chose TTJ 4E2

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

**CANCELLED**

**Prerequisite:** None

Grade 12, Hairstyling and Aesthetics, Workplace (One Credit)

TXJ 4E0

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

**Prerequisite:** TXJ 3E0 or the old TPE 3E0

## ONTARIO SECONDARY SCHOOL DIPLOMA

**A total of 30 credits are required for the OSSD.**

**Students must earn the following 18 compulsory credits:**

4 credits	in English (1 credit per grade)*
3 credits	in mathematics (1 credit in Grade 11 or 12)
2 credits	in Science
1 credit	in Canadian history
1 credit	in Canadian geography
1 credit	in the arts
1 credit	in health and physical education
1 credit	in French as a second language
.5 credit	in career studies
.5 credit	in civics
1 credit	<i>Group 1:</i> additional credit English, or French as a second language, or a Native language, or a classical or an international language, or social sciences and the humanities, or Canadian and world studies, or guidance and career education, or cooperative education**
1 credit	<i>Group 2:</i> additional credit in health and physical education, or the arts, or business studies, or cooperative education**
1 credit	<i>Group 3:</i> additional credit in science (Grade 11 or 12), or technological education, or computer studies, or cooperative education**

**Students must earn 12 optional credits selected from those in the course calendar\*\*\***

**+40 hours of community involvement activities (volunteer hours)**

**+The provincial literacy requirement (completed in Grade 10)**

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

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

\*\*\*The 12 optional credits may include up to 4 credits earned through approved dual credit course.

## 40 HOURS OF COMMUNITY INVOLVEMENT (Volunteer Hours)

Students are responsible for locating and completing 40 hours of community involvement activities. The accumulation of hours does not begin until the first day of grade 9. Be sure to check with the guidance office that your volunteer site is approved. Upon completion it is advised to make a photocopy of your form before submitting it to the guidance office. Forms can be found in the guidance office and the main office.

## PROVINCIAL LITERACY TEST (OSSLT)

A standardized literacy test for all Grade 10 students must be passed in order to receive a diploma. Students who are unsuccessful on this test must retake the test. Dryden High School works very to best prepare the students for the literacy test.

## PATHWAY DESCRIPTIONS

**Grade 9-10 Academic Courses (D)** focus on essential concepts of the discipline and explore related concepts. They develop students' knowledge and skills by emphasizing theoretical, abstract applications of concepts and incorporating practical applications.

**Grade 9-10 Applied Courses (P)** focus on the essential concepts of the discipline, but develop students' knowledge and skills by emphasizing practical, concrete applications of these concepts and incorporating theoretical applications as appropriate. Academic and applied courses differ in the balance between essential concepts and additional material, and in the balance between theory and applications.

**Grade 9-12 Open Courses (O)** have one set of expectations for the discipline, appropriate for all students in a given grade. These courses are designed to prepare students for further study in certain subjects and to enrich their education.

**Grade 9-10 Essential Courses (L)** have been designed to meet the educational needs of students whose skills in reading, writing, mathematics and science fall within the grade 4-7 range. In order to develop essential skills in these areas, the Ministry of Education has approved the use of grade 9 and 10 locally-developed compulsory courses in each of the following subjects: English, Mathematics, grade 9 Science, and grade 10 History. Students will have the opportunity to select essential courses that meet their needs. Each student's strengths and needs will determine appropriate pathways through secondary school and in the school-to-work transition.

**Grade 10-12 College Preparation Courses (C)** are designed to equip students with the knowledge and skills they need to meet the entrance requirements for college programs. The range of courses offered and the content of these courses will allow students to prepare for most college programs and related careers. Teaching and learning will emphasize concrete applications of the theoretical material covered in the course, and will also emphasize the development of critical-thinking and problem-solving skills. All college preparation courses will be based on rigorous provincial curriculum expectations and will emphasize the development of both independent research skills and independent learning skills. Students will be required to demonstrate that they have developed these skills.

**Open Courses in Grade 11 and 12 (O)** allow students to broaden their knowledge and skills in a particular subject that may or may not be related to their post-secondary goals, but that reflects their interests. These courses are appropriate for all students regardless of post-secondary destination. These courses are designed to provide students with a broad educational base and to equip them for active and rewarding participation in society. They are not designed with the specific requirements of university or college programs or the workplace in mind.

**University/College Preparation Courses (M)** include content that is relevant for both university and college programs. These courses are designed to equip students with the knowledge and skills they need to meet the entrance requirements for specific university and college programs.

**University Preparation Courses (U)** are designed to equip students with the knowledge and skills they need to meet the entrance requirements for university programs. The range of courses offered and the content of these courses will allow students to prepare for university programs and related careers. Teaching and learning will emphasize theoretical aspects of the course content but will also include concrete applications. All university preparation courses will be based on rigorous provincial curriculum expectations and will emphasize the development of both independent research skills and independent learning skills. Students will be required to demonstrate that they have developed these skills. Usually six - 4U/4M credits are required for university entrance.

**Workplace Preparation Courses (E)** are designed to equip students with the knowledge and skills they need for direct entry into the workplace or for admission to apprenticeship programs and other training programs offered in the community. The range and content of the courses offered will allow students to prepare for a variety of jobs, training programs, and careers. Teaching and learning will emphasize workplace applications of the course content, and will also explore the theoretical material that underlies these practical applications.

Experiential learning through cooperative education and work experience placements within the community are important components of workplace preparation courses. Schools will involve employers and site supervisors in the planning of cooperative education and work experience placements, and will ensure that they have their cooperation and support in implementing these courses. Workplace preparation courses will be based on rigorous provincial curriculum expectations and will emphasize the development of generic employment skills, as well as independent research and learning skills. Students will be required to demonstrate that they have developed these skills. Workplace preparation courses should also promote the importance of lifelong learning.