CENTENNIAL C.V.I.

COURSE CALENDAR 2022-2023

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Ontario Secondary School Diploma (O.S.S.D) Requirements

18 Compulsory credits

Students must earn the following compulsory credits to obtain the O.S.S.D.:

- 4 credits in English (1 per grade)
- 3 credits in Math (at least 1 in grade 11 or 12)
- 2 credits in Science
- 1 credit in Canadian Geography
- 1 credit in Canadian History
- 1 credit in the Arts
- 1 credit in Health & Physical Education
- 1 credit in French as a second language
- 0.5 credit in Careers Studies
- 0.5 credit in Civics

Plus 1 credit from each of the following groups:

- 1 additional credit in 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 & World Studies, or Guidance and Career Education, or Cooperative Education*
- 1 additional credit in Health & Physical Education, or The Arts, or Business studies, or French as a second language or Cooperative Education*
- 1 additional credit in Science (Grade 11 or 12), or Technological Education, or French as a second language or computer studies or Cooperative Education*

In addition to the compulsory credits, students must complete

- 12 Optional Credits
- EQAO Provincial Literacy test
- Successful completion of mandatory community involvement of 40 hours.

TYPES OF COURSES: GRADE 9 AND 10

At Centennial C.V.I., **Grade 9** courses are de-streamed. The grade 9 program includes:

English – ENG1D

Geography – CGC1D

French – FSF1D

Math – MTH1W

Science – SNC1W

Phys Ed – PPL1OY (Boys) or PPL1OX (Girls)

Plus 2 electives

Grade 10 courses are offered at the **Academic, Applied and Open** levels. All courses prepare students for study in the senior grades. Because the emphasis is on core concepts in Grade 9 and 10 courses, students may move from one type of course to another between Grades 9 and 10.

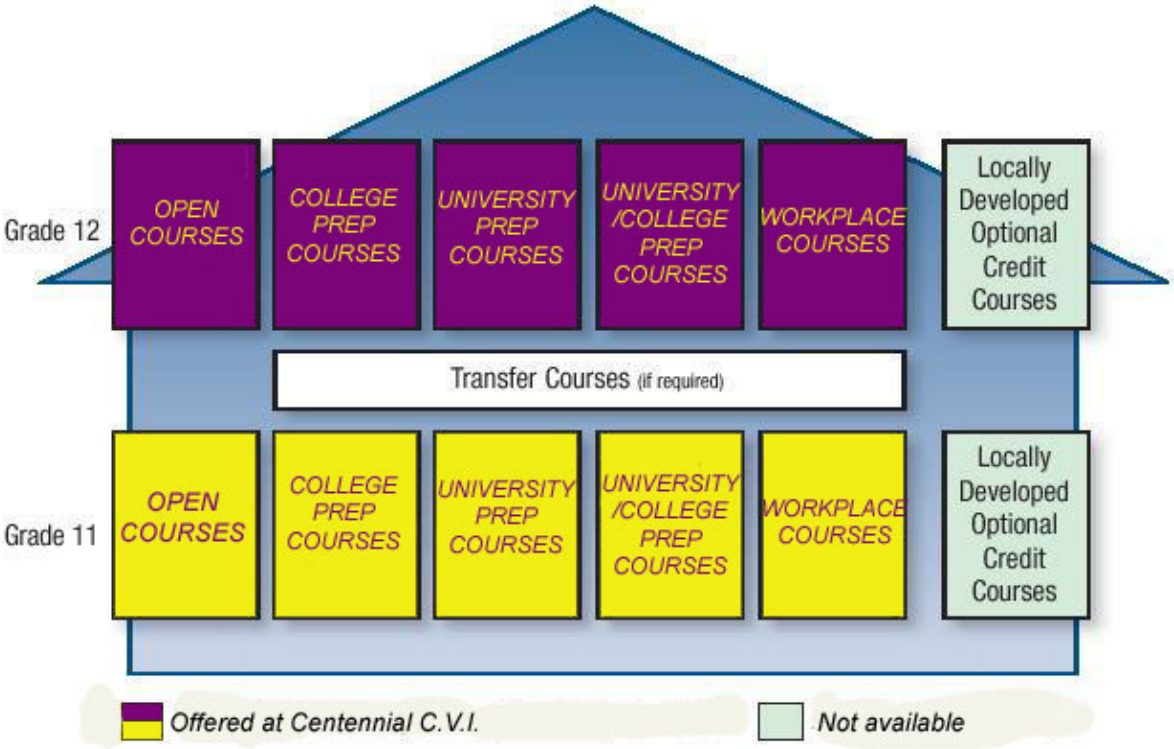
Academic Courses

- Emphasize theory and abstract ideas
- Greater independence required
- Larger class size
- Lead to university-prep courses in grades 11 and 12

Applied Courses

- Emphasize practical application of concepts
- more time to review and consolidate learning
- Smaller class size
- Lead to college-prep courses in grades 11 and 12

TYPES OF COURSES: GRADE 11 AND 12



At Centennial C.V.I., Grade 11 and 12 courses are organized into types according to the student's intended post-secondary destination. Students may choose university (U), university/college (M), college (C), or workplace (E) courses. Open (O) courses are also offered. Open courses are not linked to any specific post-secondary destination and therefore, are appropriate for all students. Students making course selections in Grade 10 must be mindful of the prerequisites for Grade 11 courses. Student and parents should check both the prerequisite requirements of grade 12 courses in addition to the requirements of post-secondary programs when considering course choices.

Open Courses e.g. HLS3O

Courses are not designed with a specific post-secondary destination in mind. Knowledge and skills in a subject are broadened. This subject may or may not be related to a student's post-secondary goals. Their focus is on providing students with a broad education base and equipping them for active and rewarding participation in society.

Workplace Courses e.g. MEL3E

Courses are designed to equip students with the knowledge and skills they need for entry into the workplace, apprenticeship programs or other training programs. Workplace applications of the course will be emphasized, but the underlying theoretical material will also be explored. Co-operative education and work experience placements will be important aspects of the Workplace preparation courses. Students will be required to demonstrate independent research and learning skills. The importance of lifelong learning will be stressed.

College Courses e.g. BDI3C

Courses are designed to equip students with the knowledge and skills for entry into college programs. Critical thinking, problem-solving skills and concrete applications of the course material will be emphasized. Students will demonstrate their development of independent research and learning skills.

College/University Courses e.g. AVI3M

Courses include relevant content for students bound for either destination. Theoretical aspects and concrete applications will be emphasized. Students will demonstrate their development of independent research and learning skills.

University Courses e.g. ENG3U

Courses are designed to prepare students for university programs and related careers. Theoretical aspects of the course content will be emphasized, but concrete applications will be included. Students will demonstrate their development of independent research and learning skills.

PATHWAY PLANNING

Individual Pathways Plan

The Individual Pathways Plan is a component of Creating Pathways to Success, the new Education and Career/Life Planning Program for all Ontario students (grades K-12). All students in grades 7-12 will develop an Individual Pathway Plan (IPP) that they will review and revise at least twice each year. It is very much a living document and will change in real time as students engage in the four question inquiry framework below:

- Who am I?
    - How would I describe myself right now (strengths, interests, values)?
    - How can I connect who I am to the choices I make?
- What are my opportunities?
    - What opportunities should I try while I'm in school?
- Who do I want to become?
    - What are my goals now and for the near future?
    - Where can I find information about my initial post-secondary destination?
- What is my plan for achieving my goals?
    - How do I develop and review my plan?
    - Who can support me in achieving my goals?

The ongoing development of the IPP provides students with a valuable archive of their learning and with resources that can assist them with their planning. It helps students identify their interests and strengths; explore opportunities; make meaningful decisions; and set goals for the future. Parents and teachers are an important part of this student-led process.

As students move through school and life, they will make many choices about their education and career/life plans. Students will establish and maintain their Individual Pathways Plan (IPP), documenting

what they continue to learn about themselves; the opportunities available to them; their goals; and how they plan to achieve them. Each school will have a process in place to support students in completing the IPP expectations appropriate to their grade level.

Explore your IPP in myBlueprint through your ugcloud account.

When thinking about course selection and planning for the future, it is valuable to look at preferred destinations, and plan the appropriate career pathways, with consideration for the courses needed to achieve your goals. There are a number of things to consider.

- All pathways eventually lead to the workforce.
- Each pathway is equally valuable.
- Changing pathways is commonplace in today's society.
- All paths start with the goal of obtaining a high school diploma.

There are many valuable opportunities apprenticeships, colleges, universities and the workplace. Choose your courses for next year with your post-secondary destination in mind.

For more information on pathway planning, visit:

- https://sites.google.com/ugcloud.ca/ugdsb-pathways/home
- myBlueprint through your ugcloud account
- www.ontariocolleges.ca
- www.ontariouniversitiesinfo.ca/
- www.oyap.com
- www.apprenticetrades.ca
- https://www.ouac.on.ca/

COURSE SELECTION

Centennial requires students in grades 9 and 10 and 11, to take 8 courses. Some students, by arrangement with our Special Education department and/or V.P., may take 7 courses. Grade 12 students must take the sufficient number of courses to complete diploma requirements. **There is not a ministry, board or school requirement stating that students must complete their secondary school program in four years.** Some students may wish to take a wide variety of courses and have a broad spectrum of background to offer post-secondary institutions and employers.

Course Selection is completed online in February through myBlueprint.

This step-by-step guide will help you complete online course selection using myBlueprint through your ugcloud account.

1) GO TO http://www.ugcloud.ca and select MyBlueprint

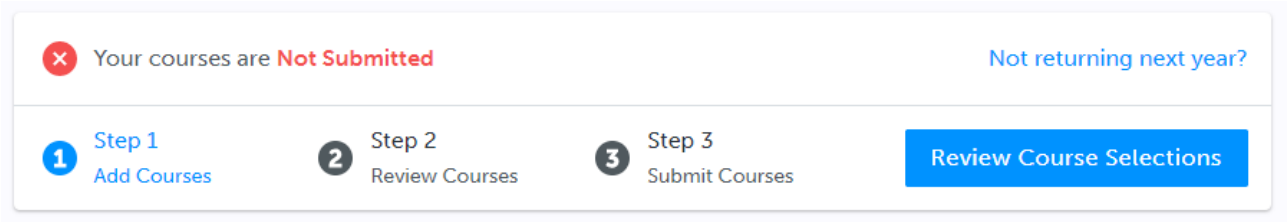
From your **Dashboard**, click on the **Plan Courses** button that appears in the High School Progress box. The button will say **Plan Courses** if course submission has not yet been enabled.

> ***HINT:*** *Clicking on* ***View or Plan Courses*** *will take you to your High School Planner - you can also access this by simply clicking on* ***High School*** *from the left hand navigation menu.*

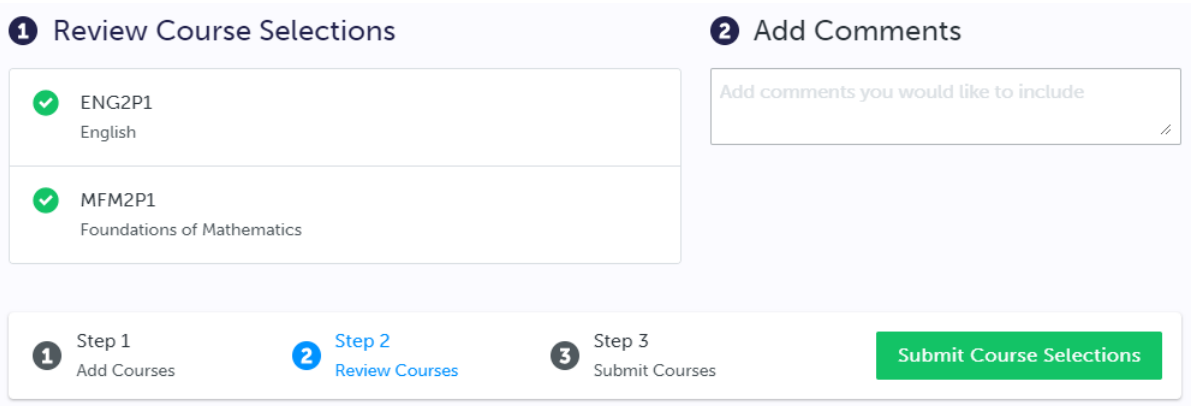
2) ADD COURSES FOR NEXT YEAR

- In High School Planner, click **+ [Course]**.
- In the **Course Selection and Details** screen, explore the available courses.
- Click **Add Course** when you find the course you want.

***HINT**: The **Graduation Indicator** will help you keep track of your progress towards graduation. Click **View Progress** for a list of specific graduation requirements.*



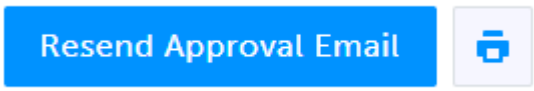
3) **REVIEW COURSES** – When you are ready to submit your course selections, click the blue **Review Course Selections** button and give your course selection one final look over.

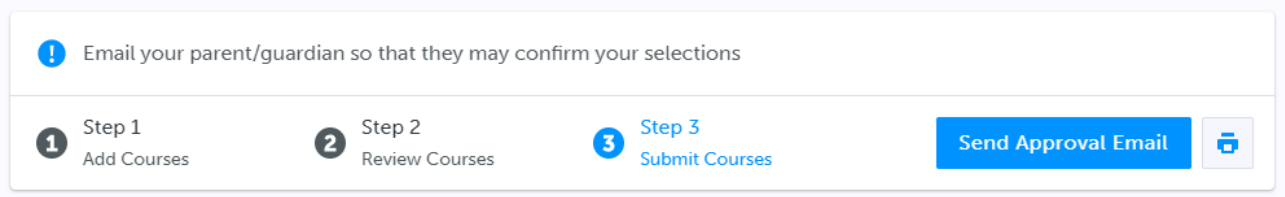


4) **SUBMIT COURSES** – Once you've carefully reviewed the **Details** page to ensure that you are meeting the requirements for the courses you have selected and that the courses that appear are correct, click on ***Submit Course Selections***. Please note that you will not be able to modify your course selections once submitted (unless your guidance counsellor re-allows submission)!

5) **EMAIL PARENT APPROVAL/PRINT SIGN–OFF SHEET** – After submitting your course selections, depending on your school board you will either have to:
   - Click the blue **Send Approval Email** to email your parent/guardian to approve your course selections, or

***NOTE:** You can also access the sign-off sheet from the **High School** planner – if it doesn't show after you've clicked the **Printer** button next to the Resend Approval Email button, check the pop-up blocker settings for your web browser.*





YOU'RE DONE!

Deadline for course selection is:

Incoming Gr. 9s: January 31st, 2022

Current Gr. 9-12: February 25th, 2022.

THE ARTS

Drama

Grade 9	Grade 10	Grade 11	Grade 12
ADA1O	ADA2O	ADA3M ADD3O	ADA4M

GRADE 9

- ADA1O – DRAMATIC ARTS

GRADE 10

- ADA2O – DRAMATIC ARTS

GRADE 11

- ADA3M – DRAMATIC ARTS
- ADD3O – DRAMA PRODUCTION

GRADE 12

- ADA4M – DRAMATIC ARTS

COURSE DESCRIPTIONS

ADA1O

Dramatic Arts, Grade 9, (Open)

This course provides students with the essential theories and techniques of stage performance. Specifically, the course explores the conventions and acting techniques associated with improvisation, tableaux, ritual and Greek theatre, storytelling, playwriting and scene work. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyze drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

ADA2O

Dramatic Arts, Grade 10, (Open)

This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Specifically, students will engage in improvisation, pantomime, melodrama and stage combat, scene work and monologues. Students will use the elements of drama in creating and communicating through dramatic works. They will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.

ADA3M

Dramatic Arts, Grade 11, (University/College)

Prerequisite: ADA1O or ADA2O1

This course requires students to create and perform dramatic presentations. Students will explore voice acting, naturalism, stylized movement, world theatre, children's theatre, auditioning, as well as scenes and monologues. Students will analyze the functions of playwrights, directors, actors, designers and technicians by creating and performing original dramas for live audiences. Note: It is highly recommended that students take both ADA1O and ADA2O before progressing to ADA3M (University/ College destination).

ADD3O

Dramatic Arts – Drama Production Course, Grade 11, (Open)

Recommended Prerequisite: ADA1O or ADA2O

This course requires students to experiment collaboratively with forms and conventions of theatre from various genres, cultures and time periods. The aim of this course is to produce a full length play for dramatic performance in front of live audiences. Students will examine various aspects of theatre production: acting, stage make-up, costuming, set design and construction, sound and lighting, and promotions. This course is ideal for students who are interested in exploring the functions of actors, designers and technicians.

ADA4M

Dramatic Arts, Grade 12, (University/College)

Prerequisite: ADA3M

This course requires students to experiment individually and collaboratively with forms and conventions of drama from various cultures and time periods. Students will examine 20th century realism, and various experimental, anti-realist theatrical movements that disrupt the conventions of dominant theatre forms. This course examines the power of theatre to communicate and create culture. Students will examine the significance of dramatic arts as it relates to culture, history and politics.

MUSIC

Grade 9	Grade 10	Grade 11	Grade 12
AMI1O	AMI2O	AMI3M	AMI4M
AMV1O	AMV2O	AMV3M	AMV4M
		AMG30	
		AMC3O	

GRADE 9

- AMI1O – INSTRUMENTAL MUSIC
- AMV1O - INTRODUCTORY VOCAL

GRADE 10

- AMI2O - INSTRUMENTAL MUSIC
- AMV2O - VOCAL MUSIC

GRADE 11

- AMI3M - INSTRUMENTAL MUSIC
- AMV3M - VOCAL MUSIC
- AMG3O - INTRODUCTORY GUITAR
- AMC3O - ELECTRONIC COMPOSITION

GRADE 12

- AMI4M – INSTRUMENTAL MUSIC
- AMV4M – VOCAL MUSIC

COURSE DESCRIPTIONS

AMI1O

Experienced Instrumental Music, Grade 9, (Open)

This course is designed for students continuing on the brass or woodwind or percussion instrument that they studied in grade eight. This course emphasizes the performance of music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use. This course is open to students beyond grade nine who have not already completed a grade nine music course. **The purchase of a student Music Rudiments Workbook is recommended ($15).**

AMV1O

Introductory Vocal Music, Grade 9, (Open)

This course emphasizes the performance of music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use. Vocal performance skills will be developed using a variety of vocal methodology and choral repertoire. This course is open to students beyond grade nine who have not already completed a grade nine music course. **The purchase of a student Music Rudiments Workbook is recommended ($15).**

AMI2O

Instrumental Music, Grade 10, (Open)

Recommended Preparation: AMI1O

This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. Performance skills on woodwinds, brass or percussion are further developed through a variety of band arrangements including classical, pop and jazz styles. The student Music Rudiments Workbook from the previous grade is used in this course.

AMV2O

Vocal Music, Grade 10, (Open)

Recommended Preparation: AMV1O

This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. Performance skills are further developed through

a variety of choral repertoire including classical, folk, pop, and jazz styles. The student Music Rudiments Workbook from the previous grade is used in this course.

AMI3M

Senior Instrumental Music, Grade 11, (University/College)

Prerequisite: AMI 1O or AMI 2O

This course emphasizes the appreciation, analysis, and performance of various kinds of music, including baroque and classical music, popular music, and Canadian and non-western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyze and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities. The student Music Rudiments Workbook from the previous grade is used in this course.

AMV3M

Vocal Music, Grade 11, (University/College)

Prerequisite: AMV1O or AMV2O

This course emphasizes the appreciation, analysis, and performance of various kinds of music, including baroque and classical music, popular music, and Canadian and non-western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyze and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities. The student Music Rudiments Workbook from the previous grade is used in this course.

AMG3O

Introductory Guitar, Grade 11, (Open)

This course presented on nylon string guitars is designed for beginner guitarists only.

This course develops students' artistic knowledge and skills through the performance of music and the preparation of music productions. Students will perform appropriate works, particularly works in contemporary popular styles. Independently and in groups they will also plan, market, and produce music productions, making use of appropriate technology, and will evaluate the results. There is limited enrolment in this course. The purchase of a student Guitar Rudiments Workbook is recommended ($10).

AMD3O

Electronic Composition, Grade 11, (Open)

This is a contemporary music course for the Non-Traditional music student. This course will allow students to explore music through electronic composition. Students will learn how to explain and use the elements of music in conjunction with standard midi software to create original compositions. Basic keyboard skills will be taught to assist students in their compositions. No previous knowledge of music theory, software, or composition is required.

$20 Upgrade Enhancement Fee

AMI4M

Instrumental, Grade 12, (University/College)

Prerequisite: AMI3M

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. This course focuses on the development of instrument concepts.

AMV4M

Vocal, Grade 12, (University/College)

Prerequisite: AMV3M

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. This course focuses on the development of vocal concepts.

DANCE

Grade 9	Grade 10	Grade 11	Grade 12
ATC1O	ATC2O	ATC3M	ATC4M

GRADE 9

- ATC1O – DANCE

GRADE 10

- ATC2O – DANCE

GRADE 11

- ATC3M – DANCE

GRADE 12

- ATC4M – DANCE

COURSE DESCRIPTIONS

ATC1O

Dance, Grade 9, (Open)

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

ATC2O

Dance, Grade 10, (Open)

This course emphasizes the development of students' technique and creative skills relating to the elements of dance and the tools of composition in a variety of performance situations. Students will identify responsible personal and interpersonal practices related to dance processes and production, and

will apply technologies and techniques throughout the process of creation to develop artistic scope in the dance arts.

Enhancement Fee: $30 if participating in Dance Inc.

ATC3M

Dance, Grade 11, (University/College)

Pre-requisite: ATC201

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

Enhancement Fee: $30

ATC4M

Dance, Grade 12, (University/College)

Pre-requisite: ATC3M

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

Enhancement Fee: $30

VISUAL ARTS

Grade 9	Grade 10	Grade 11	Grade 12
AVI1O	AVI2O	AVI3M	AVI4M
	AWA2O	AWO3O	

GRADE 9

- AVI1O – VISUAL ARTS

GRADE 10

- AVI2O – VISUAL ARTS
- AWA2O - CRAFTS

GRADE 11

- AVI3M – VISUAL ARTS
- PRINT MAKING (T-SHIRT DESIGN) – AWO3O

GRADE 12

- AVI4M – VISUAL ARTS

COURSE DESCRIPTIONS

AVI1O

Visual Arts, Grade 9, (Open)

This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical processes and will interpret art within a personal, contemporary, and historical context. This course is strongly recommended as a starting point for students in all grade levels. Class groups will be mixed in age. **Enhancement Fee: $10.00**

AVI2O

Visual Arts, Grade 10, (Open)

Recommended Preparation: AVI1O

This course enables student 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. **Students entering this course will be expected to have the skills and knowledge covered in AVI1O.**

Enhancement Fee: $10.00

AWA2O

Crafts, Grade 10, (Open)

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context. In this Focus course the crafts may include mirror frames, glass mosaics, clay products, embossed greeting cards and more. Projects will reflect the specialization of the instructor and will also focus on individual student needs and abilities.

Enhancement Fee: $10.00

AVI 3M

Comprehensive Visual Art, Grade 11, (University/College)

Prerequisite: AVI1O or AVI2O

Recommended Preparation: AVI2O

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 includes drawing, painting, sculpting and printmaking. Students will use the critical analysis process when evaluating their own work and the work of others.

AWO3O

Printmaking, Grade 11 (Open)

This course is an introduction to the principles and technical applications of printmaking through the study of making multiple images through various techniques emphasizing colour and line. Although several forms of printmaking will be taught, there will be a focus on screen printing and graphic design elements.

AVI4M

Visual Arts, Grade 12, (University/College)

Prerequisite: AVI3M

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. **Enhancement Fee: $10.00**

MARTIAL ARTS

Grade 9	Grade 10	Grade 11	Grade 12
		ATO3O	ATO4M

GRADE 11

- ATO3O – MARTIAL ARTS

GRADE 12

- ATO4M – MARTIAL ARTS

COURSE DESCRIPTIONS

ATO3O

Martial Arts, Grade 11, (Open)

This course requires students to develop their martial arts skills and learn the theoretical basis for working with anatomical structure in executing martial arts movements. Student learning will include the processes that form the basis for self-defence; the historical development of various martial arts; students' own aesthetic appreciation of martial arts as they participate in class, rehearsals, and performances; and the specialized vocabulary of martial arts criticism. The development of technical, composition, and presentation skills in one or more martial arts forms will also be emphasized.

ATO4M

Martial Arts, Grade 12 (Mixed)

Prerequisite: ATO3O

This advanced course emphasizes the development of technical proficiency and the creation and presentation of complex compositions in Martial Arts. Students will acquire increasingly difficult technical skills; assume leadership as martial artists, choreographers, and production personnel; analyse and evaluate martial arts performances; and study historical and cultural aspects of martial arts. This course requires students to develop their martial arts skills and learn the theoretical basis for working with anatomical structure in executing martial arts movements. Student learning will include the processes that form the basis for self defense; the historical development of various martial arts; students' own aesthetic appreciation of martial arts criticism. The development of technical, composition, and presentation skills in one or more martial arts forms will also be emphasized.

Course Fee: $40 (for Gi- martial arts uniform)

BUSINESS

Grade 9	Grade 10	Grade 11	Grade 12
BTT1O	BBI2O	BAF3M	BAT4M
		BDI3C	BOH4M
		BMI3C	IDC4U2

GRADE 9

- BTT1O - INTRODUCTION TO INFORMATION TECHNOLOGY IN BUSINESS

GRADE 10

- BBI2O – INTRODUCTION TO BUSINESS

GRADE 11

- BAF3M – FINANCIAL ACCOUNTING FUNDAMENTALS
- BDI3C – ENTREPENEURSHIP: THE VENTURE
- BMI3C – MARKETING

GRADE 12

- BAT4M – PRINCIPLES OF FINANCING ACCOUNTING
- BOH4M – BUSINESS LEADERSHIP: MANAGEMENT FUNDAMENTALS
- IDC4U2 – BUSINESS OF SPORT

COURSE DESCRIPTIONS

BTT1O

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

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

effective electronic research and communication skills, and current issues related to the impact of information and communication technology.

BBI2O

Introduction to Business, Grade 10, (Open)

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication technology, human resources, and production, and 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.

BAF3M – This is the pre-requisite for BAT4M.

Financial Accounting Fundamentals, Grade 11, (University/College)

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.

BDI3C

Entrepreneurship: The Venture, Grade 11, (College)

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.

BMI3C

Marketing: Goods, Services and Events, Grade 11, (College)

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

BAT4M

Financial Accounting Principles, Grade 12, (University/College)

Prerequisite: BAF3M

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.

BOH 4M

Business Leadership: Management Fundamentals, Grade 12, (University/College)

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

IDC4U2

Business of Sport, Grade12, (University)

Prerequisite: Any university or university/college preparation course

This course integrates business management and marketing theory to the sports industry. Students will learn how business managers function in the sports industry and will research contemporary issues, real-life situations and careers related to sports management and marketing. Students will learn how sports organizations operate at the amateur, high school, collegiate and professional levels. Within the sports context, students will examine issues relating to marketing, ethics, law, economics, facility management, and public relations. Students will also develop skills in the fields of event management, advertising, brand management and sponsorship.

NOTE: Students may take a maximum of three (3) interdisciplinary studies (IDC) courses – one each of Interdisciplinary Studies, Grade 11, Open; Interdisciplinary Studies, Grade 12, University Preparation; and Interdisciplinary Studies, Grade 12, Open.

CANADIAN AND WORLD STUDIES

CIVICS

Grade 9	Grade 10	Grade 11	Grade 12
	CHV2O		

GRADE 10

- CHV2O – CIVICS

Civics, Grade 10, (Open), (.5 credit)

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

ECONOMICS

Grade 9	Grade 10	Grade 11	Grade 12
			CIA4U

GRADE 12

- CIA4U – ECONOMICS

CIA4U

Analysing Current Economic Issues, Grade 12, (University)

Prerequisite: Any University or University/College Preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

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

GEOGRAPHY

Grade 9	Grade 10	Grade 11	Grade 12
CGC1D		CGF3M	CGW4U
		CGG3O	CGR4M

GRADE 9

- CGC1D – CANADIAN GEOGRAPHY

GRADE 11

- CGF3M – PHYSICAL GEOGRAPHY- NATURAL DISASTERS
- CGG3O – TRAVEL AND TOURISM

GRADE 12

- CGW4U – WORLD ISSUES
- CGR4M – ENVIRONMENTAL RESOURCE MANAGEMENT

COURSE DESCRIPTIONS

CGC1D

Geography of Canada, Grade 9, (Academic)

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

CGF3M

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

Prerequisite: CGC1D or CGC1P

This course examines Earth's physical patterns and processes and how they create natural disasters and can contribute to human disasters. Students will explore how physical processes related to Earth's water, land, and air, as well as interactions between these systems, can affect the planet and its people. Students

will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate Earth's natural processes, to make predictions related to natural disasters, and to create plans to prepare for and/or respond to them.

Students are encouraged to include this course as part of Specialized High Skills Major – Environment.

CGG3O

Travel and Tourism: A Geographic Perspective, Grade 11, (Open)

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

Students are encouraged to include this course as part of Specialized High Skills Major – Environment.

CGW4U

Canadian and World Issues: A Geographic Analysis, Grade 12, (University)

Prerequisite: Any University, University/College Preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

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

CGR4M

The Environment and Resource Management, Grade 12, (University/College)

Prerequisite: Any University, University/College, or College Preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

This course explores interactions between the natural and human environment, with a particular focus on the impact of human activity on various ecosystems. Students will explore resource management and sustainability practices, as well as related government policy and international protocols. Applying the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, students will investigate the relationship between people and the natural environment and will propose approaches for developing more sustainable relationships, including environmentally responsible actions that support stewardship.

HISTORY

Grade 9	Grade 10	Grade 11	Grade 12
	CHC2D	CHA3U	CHY4U
	CHC2P	CHW3M	

GRADE 10

- CHC2D – CANADIAN HISTORY
- CHC2P – CANADIAN HISTORY

GRADE 11

- CHA3U – AMERICAN HISTORY
- CHW3M – WORLD HISTORY TO THE END OF THE 15TH CENTURY

GRADE 12

- CHY4U – WORLD HISTORY SINCE THE 15TH CENTURY

CHC2D

Canadian History since World War I, Grade 10, (Academic)

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

CHC2P

Canadian History Since World War I, Grade 10, (Applied)

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

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

CHA3U

American History, Grade 11, (University)

Prerequisite: CHC2D or CHC2P

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

The department strongly recommends students successfully complete either CHA 3U or CHW3M or HRT 3M prior to registering in a 4U course of study.

CHW3M

World History to the end of the 15th Century, Grade 11, (University/College)

Prerequisite: CHC 2D or CHC 2P

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

The department strongly recommends students successfully complete either CHA 3U or CHW3M or HRT 3M prior to registering in a 4U course of study.

CHY4U

World History since the 15th Century, Grade 12, (University)

Prerequisite: Any University, University/College Preparation Course in Canadian and World Studies, English, or Social Sciences and Humanities

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

LAW

Grade 9	Grade 10	Grade 11	Grade 12
		CLU3M	CLN4U

GRADE 11

- CLU3M – UNDERSTANDING CANADIAN LAW

GRADE 12

- CLN4U – CANADIAN AND INTERNATIONAL LAW

COURSE DESCRIPTIONS

CLU3M

Understanding Canadian Law, Grade 11, (University/College)

Prerequisite: CHC2D (Strongly Recommended) or CHC2P

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

CLN4U

Canadian and International Law, Grade 12, (University)

Prerequisite: Any University, University/College Preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

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

NATIVE STUDIES

Grade 9	Grade 10	Grade 11	Grade 12
		NDA3M	

GRADE 11

- NDA3M – CURRENT ABORIGINAL ISSUES IN CANADA

COURSE DESCRIPTION

NDA3M
Current Aboriginal Issues in Canada, Grade 11, (University/College)
Prerequisite: Grade 10 First Nations, Métis and Inuit Peoples in Canada, Open, or Grade 10 History Since World War 1, Academic or Applied
This course focuses on existing and emerging issues of national and regional importance of concern to Aboriginal peoples in Canada. Students will analyze diverse perspectives from a variety of sources such as media, academic works and public opinion polls on events and developments related to land, community, governance, identity and culture. Using political thinking concepts and the political inquiry process students will explore their own and others' ideas, investigate an issue to determine what needs to change, why and appropriate problem-solving strategies.

COMPUTER STUDIES

Grade 9	Grade 10	Grade 11	Grade 12
	ICS2O	TEJ3M	TEJ4M
		ICS3U	ICS4U
			ICS4UB

GRADE 10

- ICS2O – INTRODUCTION TO COMPUTER STUDIES

GRADE 11

- TEJ3M – COMPUTER ENGINEERING TECHNOLOGY
- ICS3U – COMPUTER PROGRAMMING

GRADE 12

- TEJ4M – COMPUTER ENGINEERING
- ICS4U – COMPUTER PROGRAMMING
- ICS4UB – ADVANCED PLACEMENT COMPUTER PROGRAMMING

COURSE DESCRIPTIONS

ICS2O

Introduction to Computer Studies, Grade 10, (Open)

This course will introduce students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear internal documentation. Students will learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking and safe computer practices. Students will also investigate the social, environmental and ethical issues related to computer technologies. *NOTE: This course teaches computer programming and is not an application course. It is strongly recommended that students successfully complete MPM1D1 as preparation for this course*.

TEJ3M – This course is the pre-requisite for TEJ4M

Computer Engineering Technology, Grade 11, (University/College)

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and setting up 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 external devices. Students will also develop an awareness of related environmental and social issues, and will learn about college and university programs leading to careers in computer technology.

ICS3U – This course is the pre-requisite for ICS4U

Computer Programming, Grade 11, (University)

Strongly Recommended: ICS2O or strong background in basic procedural computer programming concepts

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.

TEJ4M

Computer Engineering Technology, Grade 12, (University/College)

Prerequisite: TEJ3M

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.

ICS4U

Computer Programming, Grade 12, (University)

Prerequisite: ICS3U

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 analyze 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.

ICS4UB

Advanced Placement Computer Programming, Grade 12, (University)

Prerequisite: ICS3U

See ICS4U for course description. ICS4UP will emphasize preparation for the AP Computer Science Exam.

CO-OPERATIVE EDUCATION

What is Co-operative Education?

Co-operative Education is a unique educational process designed to promote skill development, individual career development, and self-awareness by integrating classroom learning with planned and supervised practical experiences in a community placement. These planned learning experiences assist all students, whether bound for College, Apprenticeship, University or the Workplace.

Basic Principle of Co-operative Education

The basic principle of Co-operative Education is that personal growth and career development are best achieved by an educational method which combines classroom learning with practical experiences. Learning does not confine itself to academic mastery. A student's attitude, interests, values, needs, and motives depend equally upon practical experience and traditional academic learning. Co-operative Education provides the reality and relevancy to education and develops the whole person because it bridges the gap between classroom study and what a student needs to know to become a productive member of society.

Goals of Co-operative Education

a) To better prepare students for careers.
b) To assist students to better understand classroom learning through practical application in real life situations.
c) To develop in students an understanding of employers' expectations in real job situations.
d) To increase student motivation.
e) To assist students in developing appropriate plans for post-secondary employment and/or education.
f) To develop in each student a positive self-image.
g) To assist students in developing, reinforcing and/or expanding marketable skills.
h) To assist students to better understand and appreciate the world of work.
i) To help students discover their true interests and abilities and test their aptitudes.

What Are The General Criteria And Features For All Co-op Credit Courses?

- Students are usually not paid while on the job during regular school time. Students earn credits for the education experience.
- Generally, students are responsible for their own transportation to and from the workplace.
- Co-op teachers regularly monitor the students at the work site.
- Student preferences for Co-op placements are identified before the program begins, in consultation with Co-op teachers who are knowledgeable in the subject field. During pre-employment, students interview with prospective employers, and following an in depth selection process, job placements are made. Individual Learning Plans are developed to ensure that a meaningful experience occurs at the work site.
- Students on Co-op are required to spend 3 hours per day on the job. Generally, students are not required to go to their work stations during school holidays or examination periods.
- Accident and liability insurance is carried by the Board of Education for students participating in Co-operative Education programs. Co-op students are covered by Workers' Compensation during the period they are on Co-op. The employer is responsible for Workers' Compensation coverage for time worked beyond the agreed Co-operative Education hours.

How Does Co-op Work?

Co-op courses are designed so that students spend half days (2 credits) in a work placement for the entire semester.

Some classroom sessions are scheduled throughout the semester for de-briefing purposes.

How Do I Choose Co-op in Course Selection?

Students choose **FTECO2** in myBlueprint. This code for Co-op counts for 2 credits in a students schedule.

How Are Co-operative Education Students Evaluated?

Marks are based on in-school assignments, reports or independent study projects, and final summative activities. Formal written performance appraisals completed by the community supervisor in conjunction with the Co-op teacher are also taken into consideration.

NOTE: Co-operative education courses cannot be used to meet the course requirements (6U or U/M courses) for university admission.

PRE-SCREENING PROCESS

Some businesses, by their very nature, have a limited number of Co-op placements. Examples include placements in television, graphic arts, photography, police & security, fire departments, physiotherapy, hospital, hotels/hospitality industry, architecture and veterinary medicine.

1. If you would like to do a co-op placement related to a specific course, look closely at the pre/co-requisite course to make sure that you have already earned a credit in that course, or that you are also selecting this in course selection. If you are not sure what to select, make a Guidance appointment to see Ms. Durst.

2. Co-op is usually a two-credit package. You may be able to earn 3 or even 4 credits in one semester. If you are interested in this option, make a Guidance appointment to see Ms. Durst.

Sample Co-op placements:

Subject Area	**Pre/Co-requisites**	**Types of placements/jobs**
Accounting	BAF3M BAT4M	Banks, Accounting Dep't or Company
Marketing	BMI3C	Marketing Dep't or Company, Advertising, Community Organizations, Market Research, Customer Service, Events Co-ordinator
Business Leadership	BOH4M	HR Department
Computer Engineering	TEJ3M TEJ4M	PC/LAN Support, IT Dep't in Companies, Computer Lab
Computer Science	ICS3U ICS4U	Software Development, Web Development/Publishing
Parenting	HPC3O	Teaching, Day Care Facilities, Preschool Program Assistant, In-school Mentor
Food Science	HFA4U	Restaurants, Food Labs, Food Preparation Facilities – Catering, Bakery, Other Hospitality Services
Fashion	HNB4M	Fashion Retail, Garment Design & Production
Housing	HLS3O	Interior Design Company
Biology	SBI3C SBI3U SBI4U	Human & Animal Health Care – Hospital, Vet Clinic, Physiotherapy, Hospital, U of G, etc.

Chemistry	SCH3U SCH4U SCH4C	Labs, Pharmacy, U of G, Hospital, etc.
General	SVN3M SNC4M	Vet Clinic, Teaching Assistant, Lab, Nursing, Research and Development, U of G, Environmental and Waste Management Agencies
Physics	SPH3U SPH4U SPH4C	Optometry, Engineering, Hospital, Lab
Construction Technology	TCJ3C1 TCJ4C1	Construction Trades – Electrician, Carpentry, Plumbing, Cabinet Making, Drywall Assistant, Maintenance, Stone Mason
Technology Design	TDJ3M TDJ4M1	Drafting – Architecture Firm, Engineering
Manufacturing Design	TMJ3C1 TMJ4C1	Welding, Machining, Tool and Die, Steel Fabrication, Millwright Assistant, Maintenance
Transportation Technology	TTJ3C1 TTJ3E1 TTJ4C1 TTJ4E1	Auto Service, Auto Body, Heavy Equipment Repair, Small Engines
Art	Any Senior Level Course	Floral Design, Teaching Assistant, Gallery, Studio, Graphic Design
Drama		Teaching Assistant, Theatre Group
English		Journalism, T A, Technical Writing, Production
French		Teaching Assistant
Geography		Surveying, Resource Management, Travel Agency
History		Teaching Assistant, Museum

Mathematics		Financial Institutions, Teaching Assistant
Music		Teaching, Retail, Recording Studio
Physical Education		Health Assistant, Fitness Instructor Assistant, Teaching Assistant, Physiotherapy

DUAL CREDIT

Go to College While You're Still in High School…

Dual Credit programs are programs approved by the Ministry of Education that allow ***Grade 12 students*** to take college or apprenticeship courses that count towards both their Ontario Secondary School Diploma (OSSD) and a post-secondary certificate, diploma, or a Certificate of Apprenticeship. Students may earn credits towards their secondary school diploma through courses delivered by Conestoga Colleges through our partnerships in the School College Work Initiative. Students may earn up to four optional credits through college-delivered courses.

PROGRAM OFFERINGS:
OYAP Level 1 - Automotive Service Tech, Brick & Stone Mason, General Machinist, Truck & Coach Tech
CAPP (College Apprenticeship Preparation Program) - Automotive Service, Truck & Coach, Welding
Exploring the Trades - Construction (Electrical/Plumbing), Food Production, Mechanical (Heavy Equip/Welding)
College Pathway - Design Foundations, Early Childhood Education, Criminal Justice/Security Guard License, Photography/ Photoshop, Piping/Cabinetmaking, Positive Psych/Group Fitness Leadership
Re-engagement *(referral only)* - Positive Psych/Group Fitness Leadership

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Eligibility Requirements:

- Grade 12 graduating year (22 - 29 credits);
- demonstrates evidence of independent learning skills;
- demonstrates an appropriate maturity level;
- OYAP student;
- SHSM student.

Course Selection: In myBlueprint, choose **FTE_DU** (Dual Credit)** and **FTECO2** (2-credit Co-op)

If you choose FTE_DU in myBlueprint, you MUST make an appointment with Ms. Durst in to fill out additional required applications.

Visit our website at www.ugdsb.ca/dualcredit for additional information.

ENGLISH

Grade 9	Grade 10	Grade 11	Grade 12
ENG1D	ENG2D	ENG3U	ENG4U
	ENG2P	NBE3U	ENG4UB
		ENG3C	EWC4U
		EMS3O	EWC4C
			ENG4C
			IDC4U1
			IDC4O1

GRADE 9

- ENG1D – ENGLISH

GRADE 10

- ENG2D – ENGLISH
- ENG2P - ENGLISH

GRADE 11

- ENG3U – ENGLISH
- NBE3U – NATIVE STUDIES ENGLISH
- ENG3C - ENGLISH
- EMS3O – MEDIA STUDIES

GRADE 12

- ENG4U - ENGLISH
- ENG4UB – ADVANCED PLACEMENT ENGLISH LITERATURE
- EWC4U – WRITER'S CRAFT
- EWC4C – WRITER'S CRAFT
- ENG4C - ENGLISH
- IDC4U1 – MEDIA STUDIES
- IDC4O1 – MEDIA STUDIES

COURSE DESCRIPTIONS

ENG1D

English, Grade 9, (Academic)

This course emphasizes the analytical 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 short stories, poems, 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. *Note: This course fulfils one of the compulsory English requirements.*

ENG2D

English, Grade 10, (Academic)

Prerequisite: ENG1D or ENG1P with high achievement

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 analyse and create effective media works. An important focus will be the thoughtful use of spoken and written language. *Note: This course fulfils one of the compulsory English requirements.*

ENG2P

English, Grade 10, (Applied)

Prerequisite: ENG1D, ENG1P

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.

ENG3U

English, Grade 11, (University)

Prerequisite: ENG2D or ENG2DB

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

NBE3U

Native Studies English

Prerequisite: ENG2D or ENG2DB

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.

ENG3C

English, Grade 11, (College)

Prerequisite: ENG2P or ENG2D or ENG2DB

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 analyse 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. *Note: This course fulfils one of the compulsory English requirements.*

EMS3O

Media Studies, Grade 11, (Open)

Prerequisite: ENG2D or ENG2P (Basic knowledge of computers is strongly recommended)

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. It will examine the development of practical graphic design skills, photographic composition theory and basic video production techniques. Through analysing the forms and messages of a variety of media works and audience responses to them and through creating their own media works, students will develop critical thinking skills, aesthetic and ethical judgment, and skills in viewing, representing, listening, and writing.

Course Fee: $20 for purchasing and processing film

ENG4U

English, Grade 12, (University)

Prerequisite: ENG3U or ENG3UB

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. *Note: This course fulfils one of the compulsory English requirements.*

ENG4UB

Advanced Placement English Literature, Grade 12 (University)

Prerequisite: ENG 3U or ENG3UB with high achievement

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. This course will emphasize preparation for the AP English Exam.

ENG4C

English, Grade 12, (College)

Prerequisite: ENG3C, ENG 3U

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.

EWC4U

The Writer's Craft, Grade 12, (University)

Prerequisite: ENG3U or ENG3UB

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 careers in writing and publishing.

EWC4C

The Writer's Craft, Grade 12, (College)

This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project, and investigate opportunities for publication and for writing careers.

IDC4O1

Media Studies, Grade 12, (Open)

This course emphasizes the development and understanding of media literacy skills through the production and analysis of film, photography, and other media constructs. Students will investigate film history, a variety of differing film genres, and directing techniques for the purpose of applying this knowledge to the development of their own original short films. They will learn traditional photojournalism techniques and composition while using a variety of technologies and processes.

Throughout the course, students will examine media's transformative effect and influence on the traditional values and beliefs of our culture. **Course Fee: $20**

IDC4U1

Media Studies, Grade 12 (University)

Prerequisite: Grade 11 English ENG3U

This course emphasizes the consolidation of literacy, critical, and creative skills development that will enable students to understand media communication in the twenty-first century and to effectively use a wide variety of media production and deconstruction techniques for different purposes and audiences. Through analyzing the forms and messages of a variety of media productions and through creating their own media works, students will develop critical thinking and analytical skills, aesthetic and ethical judgment, and experience in viewing, representing, listening, speaking, reading, and writing. The students will also have a critical awareness of the impact and influence of media on our culture and values.

NOTE: Students may take a maximum of three (3) interdisciplinary studies (IDC) courses – one each of Interdisciplinary Studies, Grade 11, Open; Interdisciplinary Studies, Grade 12, University Preparation; and Interdisciplinary Studies, Grade 12, Open.

GUIDANCE

Grade 9	Grade 10	Grade 11	Grade 12
GLE1O	GLC2O		

GRADE 9

- GLE1O – LEARNING STRATEGIES

GRADE 10

- GLC2O – CAREERS

COURSE DESCRIPTIONS

GLE1O

Learning Strategies 1: Skills for Success in Secondary School, Grade 9, (Open)

Referral required by Grade 8 Principal

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

GLC2O

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

This course teaches students how to develop and achieve personal goals in education and work and contribute to their communities. Student learning will include assessing their own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores post-secondary learning opportunities, prepares students for community-based learning, and helps them build the capabilities needed for managing work and life transitions. Students will design action plans for pursuing their goals.

HEALTH AND PHYSICAL EDUCATION

Grade 9	Grade 10	Grade 11	Grade 12
PPL1OX	PPL2OX	PAD3O	PAL4O
PPL1OY	PPL2OY	PAF3O	PAF4O
	PAF2O	PAF3OX	PAF4OX
		PAL3O	PSK4U

GRADE 9

- PPL1OX /Y – HEALTHY ACTIVE LIVING (X- FEMALE, Y-MALE)

GRADE 10

- PPL2OX/Y - HEALTHY ACTIVE LIVING (X- FEMALE, Y-MALE)
- PAF2O – PERSONAL FITNESS ACTIVITIES (CO-ED)

GRADE 11

- PAD3O – OUTDOOR ACTIVITIES (CO-ED)
- PAF3O – PERSONAL FITNESS ACTIVITIES (CO-ED)
- PAF3OX – PERSONAL FITNESS ACTIVITIES (FEMALE ONLY)
- PAL3O – LARGE GROUP ACTIVITIES (CO-ED)

GRADE 12

- PAL4O – LARGE GROUP ACTIVITIES (CO-ED)
- PAF4O – PERSONAL FITNESS ACTIVITIES (CO-ED)
- PAF4OX – PERSONAL ACTIVITIES (FEMALE ONLY)
- PSK4U – KINESIOLOGY

COURSE DESCRIPTIONS

PPL1OX\Y

Healthy Active Living, Grade 9, (Open) X - Female; Y - Male

This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range in physical activities (soccer, floor hockey, basketball, volleyball, badminton, rugby, football and ultimate frisbee), students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students will acquire an understanding of the factors and skills needed to contribute to their healthy development. Students will also explore ways to build their sense of self-worth, learn to interact positively with others, and develop their ability to think critically and creatively.

PPL2OX/Y

Healthy Active Living, Grade 10, (Open) X – Female; Y – Male

This course emphasizes daily participation in a variety of physical activities. Students will develop the knowledge, skills and attitudes needed to enjoy a healthy lifestyle and to build a commitment to lifelong participation in physical activity. Student learning will include the application of movement principles to refine skill development and strategies and tactics in Invasion Territory (basketball, floor hockey, dodge ball, soccer, football, rugby) and Net Wall (badminton, volleyball) games. In the living skills component of this course, students will learn and apply decision making, conflict resolution, and social skills. Units explored in the healthy living component include healthy growth and sexuality, nutrition, substance use and abuse, and body image. Both the physical activity and health strands focus on positive, responsible personal and social behaviour to aid students in making safe and smart decisions. Additional activities may include: tennis, ultimate Frisbee, dance, baseball and other field games.

PAF2O

Personal Fitness Activities (CO-ED), Grade 10, (Open)

This course will improve your self-confidence and fitness as well as enhance your personal capabilities. This course focuses on improving each student's individual fitness level. Activities are designed to improve students' cardiovascular fitness, muscular strength, endurance, flexibility and power. Students will set SMART goals and learn how to analyze and refine goals. Correct form and technique along with individual safety will be emphasized in each unit. Students will explore and analyze good nutrition practices and understand how nutrition relates to improved performance. In the health units, students will participate in activities designed to develop their problem solving and communication skills. Activities practiced in this course reflect students' interests and may include: training for a 5 km run, strength training, Pilates, yoga, zumba, weight training, self-defence, swimming, spinning, and circuits.

Course Fee $25

PAD3O

Outdoor Activities (CO-ED), Grade 11, (Open)

The focus of this course is the preparation and participation in three extended field trips. They include: a 5 day canoe trip, a 3 day cycling trip and a 4 day winter camp trip. The development of a healthy lifestyle is emphasized through the participation in the following activities: canoeing, biking, paddle design, camping, ropes course, snowshoeing, cross-country skiing and orienteering. Students will be encouraged to develop personal competence in a variety of movement skills, and will be given opportunities to practice goal setting, decision making, coping, social and interpersonal skills through outdoor experiences. **Course fee is $250.00.**

PAF3O

Personal Fitness Activities (CO-ED), Grade 11, (Open)

Students will have the opportunity to engage in a variety of personal and group fitness programs concentrating on strength, flexibility, cardiovascular and muscular endurance. Focus for the course is on each individual's fitness level and can be sports specific. A study of proper nutrition, goal setting and fitness program development will supplement the daily workouts and challenges. Students will be tested on their fitness achievements throughout the semester and fitness gains will be documented monthly. Areas of training include, but are not limited to: weight training, circuits, tabata intervals, Yoga, Pilates, swimming, running, descending ladders, group challenges, Cross fit and other cutting edge activities. This course includes two field trips.

Course Fee: $35

PAF3OX

Personal Fitness (FEMALES ONLY), Grade 11, (Open)

This course focuses on the development of a healthy active lifestyle and participation in a variety of fitness related activities that have the potential to engage student's interest in personal fitness throughout their lives. Students will be involved in developing a balanced personal program incorporating cardio-vascular training, strength training and flexibility focused on what is best for females. A series of fitness tests will be completed and used to goal set throughout the semester. A study of proper nutrition and lifestyle activities will supplement your daily "workouts". Students will also be given opportunities to practice decision making, coping, social and interpersonal skills. This course includes two field trips.

Course Fee: $35

PAL3O

Large Group Activities (Co-ed), Grade 11, (Open)

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practice goal-setting, decision making, social and interpersonal skills. Daily participation in a variety of fun, creative, and interactive games is crucial for student success. Games will be chosen based on the classes' ability and

competitive levels. Sample activities may include but are not limited to: floor hockey, basketball, volleyball, soccer, rugby, football, table tennis, badminton, baseball, cricket.

PAL4O

Large Group Activities (Co-ed), Grade 12, (Open)

This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through daily participation in a wide range of games, students will enhance their movement skills, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

PAF4O

Personal Fitness Activities (CO-ED) Grade 12 (Open)

This course focuses on individual fitness. Students will write their own SMART goals and tailor a training and nutrition program to meet these goals. Topics of discussion will include: training principles and methods, sport nutrition, and Olympic lifting. Students will be responsible for monitoring their own progress and to modify their program and adjust participation accordingly. A variety of lifestyle activities will supplement daily workouts.

Course Fee $25

PAF4OX – Grade 12 (Open)

Personal Fitness (FEMALE)

Course description as per PAF4O

PSK4U

Introduction Kinesiology, Grade 12, (University)

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

Recommended Preparation: Any 3U Science and ENG3U

This course introduces students to the fundamentals of the kinesiology field. Students will explore and understand the anatomical make-up of the human body, with emphasis on the skeletal and muscular systems. Once students have developed a foundation of anatomical knowledge, we begin to examine the physiological response to exercise, examining both acute and chronic adaptations to an exercise stress. We will explore general planning theories as well as specific methods used to enhance physiological performance in exercise. This includes training methods for endurance, speed, strength, power, and flexibility. The role of legal and banned ergogenic aids in performance will be discussed. Students will also discover the importance of biomechanics in both human motion and skill development. Students will analyze sport movements using slow motion cameras and apply biomechanics principles to help improve

the athlete's performance. This course will also examine common athletic injuries and ways to treat and rehabilitate injured athletes. This course invites students with an interest in health and sport and will prepare students interested in fields such as: Physical Educator, Occupational Therapist, Physiotherapist, Ergonomics Specialist, Health Promoter, Medicine and Exercise Scientist.

INTERDISCIPLINARY STUDIES PROGRAMS

Grade 10: Community Environmental Leadership Program - CELP

- English (Academic)
- Career Studies (.5 credit)
- Civics (.5 credit)
- Outdoor Activities
- Interdisciplinary Studies

Grade 11: Urban Arts M.A.D.E. in Guelph (G.C.V.I.)

- Music for Creating (University/College)
- Non-Traditional Media (University/College)
- Drama (University/College)
- English (University)

Grade 12: Headwaters Program

- English (University) or Canadian Literature (University/College)
- The Environment and Resource Management (University/College)
- Recreation and Healthy Active Living Leadership (University/College)
- Interdisciplinary Studies (University)

Grade 12: Beyond Borders Program – 4 credits from:

- Business Leadership (University/College)
- Sustainability and Business (University)
- World Issues (University)
- Advanced Functions or Data Management (University)

COMMUNITY ENVIRONMENTAL LEADERSHIP PROGRAM – CELP

CELP has a central theme of helping students ***develop a relationship with the natural world*.**

HIGHLIGHTS INCLUDE:

- Learning in a community setting comprised of students from all Guelph area high schools.
- Experiencing a five night wilderness trip - either a canoe trip in semester one or a winter snowshoe trip in semester two.
- Providing leadership to over 300 elementary students by teaching the grade five "EARTHKEEPER" program.
- Reading literature related to themes of the course.
- Spending a week discovering and researching their community by bicycle.
- Exploring and showing by example, environmentally friendly lifestyles.

Courses involved in the CELP program:

ENG2D4 or ENG2P4 English
GLC2O4 Career Studies (half credit)
CHV2O4 Civics (half credit)
PAD3O4 Outdoor Activities (Health and Physical Education)
IDP3O4 Interdisciplinary Studies

How does a student sign up for CELP?

a) Sign up for all the above courses on your option sheet.
b) Pick up an application form from guidance or look at the CELP website by clicking the following **www.ugdsb/celp/**. Fill out and return to guidance by specified date.
c) As this is a limited enrolment course, applications will be reviewed and students will be notified in late April if they are successful in their application.

Cost: There will be a course fee in the $600.00 range; however, no student will be denied this program due to financial reasons. See our website for more information.
Contact: Mr. J. Barr
Prerequisite: We recommend students have completed Grade 9 Academic English

HEADWATERS

Headwaters will have as its theme, "***A journey to the source".***

HIGHLIGHTS INCLUDE:

- Experiencing a 6 night fall canoe trip or winter snowshoe trip, a full day solo, and a 3 night bioregional trip.
- Enhancing the wilderness travel experience on the Canadian landscape through the crafts of carving canoe paddles or sewing snowshoe moccasins.
- Planting and harvesting a food garden.
- Interviewing community citizens through a cultural journalism project with the end goal of publishing a journal
- Uncovering our human impacts on the earth and learning about eco-effective practices and possibilities.
- Beginning a personal narrative journey of one's own relationship to the land.

Courses involved in the *HEADWATERS* program:

CGR4M4 Environment and Resource Management
ENG4U/C4 University English (Prerequisite ENG3U) or ETS4U (English Literature)
PLF4M4 Recreation and Healthy Active Living Leadership
IDP4O/U4 Interdisciplinary Studies

NOTE: Students may take a maximum of three (3) interdisciplinary studies (IDC/IDP) courses – one each of Interdisciplinary Studies, Grade 11, Open; Interdisciplinary Studies, Grade 12, University Preparation; and Interdisciplinary Studies, Grade 12, Open.

How does a student sign up for *HEADWATERS*?

1) Sign up for all the above courses on your option sheet.
2) Pick up an application form from guidance or look at the Headwaters website at www.celp.info. Fill out and return to the guidance office by the specified date.
3) As this is a limited enrolment course, applications will be reviewed and students will be notified in late April if they are successful in their application.

Cost: **There will be a course fee in the $750 range; however, no student will be denied this program due to financial reasons.** See our website for more information. **Contact:** Ms. Katie Gad

Prerequisite: This program will target students who have already completed the grade 10 CELP program; however, it is not a prerequisite for *HEADWATERS*

BEYOND BORDERS

Beyond Borders offers active, involved, community-minded Grade 12 students a unique, integrated and experiential opportunity to combine Business, English, Media and Leadership learning with a focus on globalization, technology and social responsibility.

Highlights: Leadership development at Camp Tawingo; business competitions via DECA; trips to New York City, Toronto, Hamilton; working with University of Guelph for transition to post-secondary education

Students will prepare to become effective managers in today's changing world. This package specializes in business leadership development, teamwork and communication. Students will produce and analyze a range of media and literary works with a focus on meeting the challenges and demands of business in the 21st century.

Mandatory Course Credits: Business Leadership (BOH4M4), Sustainability and Business (IDC4U4), World Issues (CGW4U4)

Students choose one of the following: Advanced Functions (MHF4U4), Data Management (MDM4U4)

NOTE: Students may take a maximum of three (3) interdisciplinary studies courses – one each of Interdisciplinary Studies, Grade 11, Open; Interdisciplinary Studies, Grade 12, University Preparation; and Interdisciplinary Studies, Grade 12, Open.

Applications can be found on the Beyond Borders Website: **beyondborders1.ca**

URBAN ARTS M.A.DE. (G.C.V.I)

Urban Arts is an innovative program designed for Grade 11 students with a keen interest in the Arts. The courses focus on the creative exploration of the arts and all levels of ability are welcome in this collaborative environment. Students will explore Music, Art, Drama and English in an integrated, non-traditional environment at the Guelph Youth Music Centre. In this downtown setting, student "artrepreneurs" will experience real world opportunities through local partner-ships, develop their craft, and become confident, creative thinkers. *See your Guidance Office for more information.*

Credits Earned: All courses will be taught from an interdisciplinary perspective.

Music AMC 3M: Music for Creating (University/College)

Experience different approaches to musical creation, performance and dissemination

Create music and sound using instruments, the body and cutting edge technologies prevalent in today's music industry

Learn from professional musicians, composers, sound engineers and radio broadcasters in a variety of settings that drive cultural life in the local community

Art AWT3M: Non Traditional Media (University/College)

Form collaborative Digital based media productions

Create and experiment with sculpture installations, murals and street art within the community setting

Learn from professional artists in a variety of settings that foster artistic success in the local community and galleries towards becoming an artist as a business

Drama ADD3M: Drama Production (University/College)

Form a production company and assume the roles of actors and technicians in the development of several dramatic pieces

Perform collaboratively-developed, publicly-presented theatre pieces

English ENG3U: English (University)

Read and demonstrate an understanding of novels, short stories, and poetry with an emphasis on thematic analysis and language

Produce coherent and effective written work with particular emphasis on Literary Essays through the use of a variety of organizational structures and processes

Prerequisites

ENG 2D (English, Grade 10 Academic)

Experience in one Arts area in either grade 9 or 10

LANGUAGES

Grade 9	Grade 10	Grade 11	Grade 12
FSF1D	FSF2D	FSF3U	FSF4U
FSF1O	FSF2P	LWSBD	
	LVLBD		

GRADE 9

- FSF1D – FRENCH
- FSF1O – French (for students who have started French Gr. 6 or after)

GRADE 10

- FSF2D – FRENCH
- LVLBD – INTRODCUCTORY LATIN

GRADE 11

- FSF3U – FRENCH
- LWSBD – INTRODUCTORY SPANISH

GRADE 12

- FSF4U - FRENCH

FRENCH

COURSE DESCRIPTIONS

FSF1D

French, Grade 9, (Academic)

Prerequisite: Minimum of 600 hours of elementary core French instruction, or equivalent

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

Workbook available for $12.00.

FSF1O

French, Grade 9, (Open)

Prerequisite: Less than 600 hours of elementary core French instruction, or equivalent

This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600 hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings, and will develop fundamental skills in listening, speaking, reading, and writing through discussing issues and situations that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary for lifelong language learning.

FSF2D

French, Grade 10, (Academic)

Prerequisite: FSF1D or FSF1P

This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will continue to develop the skills necessary to become life-long language learners. The focus on this course will be on interaction and learning to

communicate in spontaneous conversations to express opinions, share ideas, state facts and respond to invitations. Themes studied include: Je me présente, Mon enfance, La culture populaire et Les Voyages.

FSF3U

French, Grade 11, (University)

Prerequisite: FSF2D

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts. They will continue to broaden their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning. The focus on this course is to continue to develop interaction skills with a focus on expressing opinions and using details to support and explain ideas. Students will engage with authentic documents to learn about traditions, travel, obligations etc. They will also study from a collection of French short stories.

FSF4U

French, Grade 12, (University)

Prerequisite: FSF3U

This course provides extensive opportunities for students to speak and interact in French independently. Students will apply language-learning strategies in a wide variety of real-life situations, and will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning. The focus on this course will be on constructing an argument and defending viewpoints by looking at a variety of current issues and authentic resources. Students will work on explaining their point of view and negotiating in a variety of authentic, real-life situations. Themes examined may include important memories, social issues and identity. In this course we will study a novel written in French.

LATIN

LVLBD

Introductory Latin, Grade 10, (Academic) Language of Instruction: English

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

LVLCU

Latin, Level 2, (University)

Prerequisite: LVLBD

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

SPANISH

LWSBD

Introductory Spanish

This introductory course is designed to enable students to begin to develop competence in listening, speaking, reading, and writing in Spanish. Students participate in interactive activities which prepare them to apply their language skills in communication with native speakers of the language. Students explore aspects of culture in regions where the language is spoken including music, family tradition, food and celebrations.

MATHEMATICS

Grade 9	Grade 10	Grade 11	Grade 12
MPM1D	MPM2D	MCR3U	MHF4U
	MFM2P	MCF3M	MCV4U
		MBF3C	IDC4UB
			MDM4U
			MCT4C
			MAP4C
			MEL4E

GRADE 9

- MPM1D – PRINCIPLES OF MATHEMATICS

GRADE 10

- MPM2D – PRINCIPLES OF MATHEMATICS
- MFM2P – FOUNDATIONS OF MATHEMATICS

GRADE 11

- MCR3U – FUNCTIONS
- MCF3M – FUNCTIONS AND APPLICATIONS
- MBF3C – FOUNDATIONS FOR COLLEGE MATHEMATICS
- MEL3E – MATHEMATICS FOR WORK AND EVERYDAY LIFE

GRADE 12

- MHF4U – ADVANCED FUNCTIONS
- MCV4U – CALCULUS AND VECTORS
- IDC4UB – ADVANCED PLACEMENT CALCULUS
- MDM4U – MATHEMATICS OF DATA MANAGEMENT
- MCT4C – MATHEMATICS FOR COLLEGE TECHNOLOGY
- MAP4C – FOUNDATIONS FOR COLLEGE MATHEMATICS

COURSE DESCRIPTIONS

MTH1W

Mathematics, Grade 9, (De-streamed)

This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and relevant real-world situations. Students will continue to enhance their mathematical reasoning skills, including proportional reasoning, spatial reasoning, and algebraic reasoning, as they solve problems and communicate their thinking. Prerequisite: None

MPM2D

Principles of Mathematics, Grade 10, (Academic)

Prerequisite: MPM1D or MFM1P

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

MFM2P

Foundations of Mathematics, Grade 10, (Applied)

Prerequisite: MFM1P or MPM1D

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

MCR3U

Functions, Grade 11, (University)

Prerequisite: MPM2D

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and

graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

MCF3M

Functions and Applications, Grade 11, (University/College)

Prerequisite: MPM2D or MFM2P

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

MBF3C

Foundations for College Mathematics, Grade 11, (College)

Prerequisite: MFM2P or MPM2D

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, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

MEL4E

Mathematics for Work and Everyday Life, Grade 12, (Workplace)

Prerequisite: MFM1P, MPM1D

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.

MHF4U

Advanced Functions, Grade 12, (University)

Prerequisite: MCR3U or MCT4C

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.

MCV4U

Calculus and Vectors, Grade 12, (University)

Prerequisite: Advanced Functions (MHF4U) must be taken prior to or concurrently with Calculus and Vectors (MCV4U)

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 modeling 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.

IDC4UB

Advanced Placement Calculus, Grade 12, (University)

Prerequisite: MCV 4U

This course will help students to extend and advance ideas from Calculus into areas relating to anti-derivatives, advanced curve sketching, motion, forces, optimization of business applications, and modeling of real world problems. Students will investigate the graphical and algebraic relationships of functions, limits, derivatives, integrals, and the fundamental definition of calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. (eg: between acceleration and position, or perimeter and area). Students will learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Course Workbook: $20

NOTE: Students may take a maximum of three (3) interdisciplinary studies courses (IDC/IDP) – one each of Interdisciplinary Studies, Grade 11, Open; Interdisciplinary Studies, Grade 12, University Preparation; and Interdisciplinary Studies, Grade 12, Open.

MDM4U

Mathematics of Data Management, Grade 12, (University)

Prerequisite: MCF3M or MCR3U

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.

MCT4C

Mathematics for College Technology, Grade 12, (College)

Prerequisite: MCF3M

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.**

MAP 4C

Foundations for College Mathematics, Grade 12, (College)

Prerequisite: MBF3C or MCF3M or MCR3U

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.

SCIENCE

Grade 9	Grade 10	Grade 11	Grade 12
SNC1W	SNC2D	SBI3U	SBI4U
	SNC2P	SBI3C	SBI4UB
		SCH3U	SCH4U
		SPH3U	SCH4UB
		SVN3M	SCH4C
			SPH4U
			SPH4UB
			SPH4C
			SES4U
			SNC4M
			IDP4U1

GRADE 9

- SNC1W

GRADE 10

- SNC2D - SCIENCE
- SNC2P – SCIENCE

GRADE 11

- SBI3U - BIOLOGY
- SBI3C - BIOLOGY
- SCH3U - CHEMISTRY
- SPH3U – PHYSICS
- SVN3M – ENVIRONMENTAL SCIENCE

GRADE 12

- SBI4U - BIOLOGY
- SBI4UB – ADVANCED PLACEMENT BIOLOGY
- SCH4U - CHEMISTRY
- SCH4UB – ADVANCED PLACEMENT CHEMISTRY
- SCH4C – CHEMISTRY
- SPH4U – PHYSICS
- SPH4UB – ADVANCED PLACEMENT PHYSICS
- SPH4C – PHYSICS
- SES4U – EARTH AND SPACE SCIENCE
- SNC4M – HEALTH SCIENCE
- IDP4U1 - BIOTECHNOLOGY

COURSE DESCRIPTIONS

SNC1W

Science, Grade 9, (De-streamed)

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

SNC2D

Science, Grade 10, (Academic)

Prerequisite: SNC1D OR SNC1W

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.

SNC2P

Science, Grade 10, (Applied)

Prerequisite: SNC1D or SNC1W

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.

SBI3U

Biology, Grade 11, (University)

Prerequisite: SNC2D or SNC2DB

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.

SBI3C

Biology, Grade 11, (College)

Prerequisite: SNC2D or SNC2P

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.

This course is for students intending to study applied sciences at community college.

SCH3U

Chemistry, Grade 11, (University)

Prerequisite: SNC2D or SNC2DB

Recommended Preparation: MPM 2D

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.

SPH3U

Physics, Grade 11, (University)

Prerequisite: SNC2D1or SNC2DB.

Recommended Preparation: MPM 2D

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.

SVN3M

Environmental Science, Grade 11, (University/College)

Prerequisite: SNC2D or SNC2DB or SNC2P

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.

SBI4U

Biology, Grade 12, (University)

Prerequisite: SBI3U

Strongly recommended preparation: SCH3U

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.

SBI4UB

Advanced Placement Biology, Grade 12, (Advanced Placement)

Prerequisite: SBI3U with high achievement

Strongly recommended preparation: SCH3U

Course description as in SBI 4U. The emphasis is preparation for the AP Biology Exam

SCH4U

Chemistry, Grade 12, (University)

Prerequisite: SCH3U or SCH3UB

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.

SCH4UB

AP Chemistry, Grade 12, (Advanced Placement)

Prerequisite: SCH3UB or SCH3U with high achievement

Course description as in SCH4U. SCH4UB will emphasize preparation for the AP Chemistry Exam

SCH4C

Chemistry, Grade 12, (College)

Prerequisite: SNC2D or SNC2P

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.

This course is for students intending to study applied sciences in College.

SPH4U

Physics, Grade 12, (University)

Prerequisite: SPH3U

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

SPH4UB

Advanced Placement Physics, Grade 12, (University)

Course description as per SPH4U. SPH4UB will emphasize preparation for the AP Physics exam.

SPH4C

Physics, Grade 12, (College)

Prerequisite: SNC2D or SNC2P

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will

develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment.
This course is for students intending to study applied sciences in College.

SES4U

Earth and Space Science, Grade 12, (University)

Prerequisite: SNC2D or SNC2DB

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

SNC4M

Health Science, Grade 12, (University/College)

Prerequisite: SNC2D or SNC2DB or any Grade 11 U, M or C Science Course

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

IDP4U1

Biotechnology, Grade 12, (University)

Prerequisite: SBI3U Recommended Co-requisite: SCH4U and SBI4U

The grade 12 interdisciplinary Biotechnology course is designed around three goals. These are:

1. to understand the interdisciplinary nature of biotechnology through the application of molecular biology theory, chemical and physical principles during laboratory investigations;
2. to learn and utilize a biotechnology research skill set to design and implement the processes and methods of biological research while critically evaluating, analysing and communicating their data and findings to their peers;
3. To evaluate the impact and consequences of humankind utilizing biotechnology within our society and the global environment.

The course has both theoretical and experimental components. There is a $25 lab enhancement fee.

NOTE: Students may take a maximum of three (3) interdisciplinary studies (IDC/IDP) courses – one each of Interdisciplinary Studies, Grade 11, Open; Interdisciplinary Studies, Grade 12, University Preparation; and Interdisciplinary Studies, Grade 12, Open.

SOCIAL SCIENCE AND HUMANITIES

FAMILY STUDIES

Grade 9	Grade 10	Grade 11	Grade 12
HIF1O	HFN2O	HLS3O	HFA4U
		HPC3O	HIP4O
		HFC3M	HHS4U
			HNB4M

GRADE 9

- HIF1O – EXPLORING FAMILY STUDIES

GRADE 10

- HFN2O – FOOD AND NUTRITION

GRADE 11

- HLS3O – HOUSING AND DESIGN
- HPC3O – RAISING HEALTHY CHILDREN
- HFC3M – FOOD AND CULTURE

GRADE 12

- HFA4U – FOOD AND NUTRITION
- HIP4O – PERSONAL LIFE MANAGEMENT
- HHS4U – FAMILIES IN CANADA
- HNB4M – THE WORLD OF FASHION

COURSE DESCRIPTIONS

HIF1O

Exploring Family Studies, Grade 9, Open

This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.
Prerequisite: None

HFN2O

Food and Nutrition, Grade 10, (Open)

This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food preparation skills and introduces them to the use of social science research methods in the area of food and nutrition.
Enhancement Contribution is $30.00

HLS3O

Housing and Home Design, Grade 11, (Open)

This course introduces students to a range of issues related to housing and home design. Students will learn about the needs that housing fulfills; housing options; home maintenance and safety; and environmental, economic, legal, and social considerations related to housing. They will use the elements and principles of design to analyse design and decorating decisions. Students will develop research skills as they investigate issues related to housing and home design.
Enhancement Contribution is $30.00

HPC3O

Raising Healthy Children, Grade 11, (Open)

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

HFC3M

Food and Culture, Grade 11, (Mixed- University/College)

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will explore the origins of and developments in diverse food traditions. They will demonstrate the ability to cook with ingredients and equipment from a variety of cultures, compare food-related etiquette in many countries and cultures, and explain how Canadian food choices and traditions have been influenced by other cultures. Students will develop practical skills and apply social science research methods while investigating foods and food practices from around the world.

HFA4U

Food and Nutrition, Grade 12, (University)

Prerequisite: Any University, University/College, preparation course in Social Sciences and Humanities, English, or Canadian and World Studies

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

Enhancement Contribution is $30.00

HIP4O

Personal Life Management, Grade 12, (Open)

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

HHS4U

Families in Canada, Grade 12, (University)

Prerequisite: Any University, University/College, preparation course in Social Sciences and Humanities, English, or Canadian and World Studies

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop

the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships.

HNB4M

The World of Fashion, Grade 12, (Mixed – University/College)

Prerequisite: Any University, University/College, preparation course in Social Sciences and Humanities, English, or Canadian and World Studies

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

Enhancement Contribution is $30.00. Additional costs will depend upon the other projects that students select.

SOCIAL SCIENCE

Grade 9	Grade 10	Grade 11	Grade 12
		HSP3C/U	HSB4U

GRADE 11

- HSP3C/U – INTRODUCTION TO ANTHROPOLOGY, PSYCHOLOGY AND SOCIOLOGY

GRADE 12

- HSB4U – CHALLENGE AND CHANGE IN SOCIETY

COURSE DESCRIPTIONS

HSP3C/3U

Introduction to Anthropology, Psychology, and Sociology, Grade 11, College or University

Prerequisite: No pre-requisite for HSP3C. HSP3U requires ENG2D or CHC2D.

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

HSB4U

Challenge and Change in Society, Grade 12, (University)

Prerequisite: Any University or University/College preparation course in Social Sciences and Humanities, English, or Canadian and World Studies

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

TECHNOLOGICAL EDUCATION

Grade 9	Grade 10	Grade 11	Grade 12
TIJ1O1	TCJ2O1	TCJ3C1	TCJ4C1
TIJ1OX	TDJ2O1	TCJ3E1	TCJ4E1
	TGJ2O1	TDJ3M1	TDJ4M1
	TMJ2O1	TGJ3M1	TGJ4M1
	TTJ2O1	TMJ3C1	TMJ4C1
		TTJ3O1	TTJ4E1
		TWJ3E1	TWJ4E1
		TPJSC1	
		TPJ3M1	

GRADE 9

- TIJ1O1 – EXPLORING TECHNOLOGIES (CO-ED)
- TIJ1OX – EXPLORING TECHNOLOGIES (FEMALE ONLY)

GRADE 10

- TCJ2O1 – CONSTRUCTION TECHNOLOGY
- TDJ201 – TECHNOLOGICAL DESIGN
- TGJ2O1 – COMMUNICATIONS TECHNOLOGY
- TMJ2O1 – MANUFACTURING TECHNOLOGY
- TTJ2O1 – TRANSPORATION TECHNOLOGY

GRADE 11

- TCJ3C1 – CONSTRUCTION TECHNOLOGY
- TDJ3M1 – TECHNOLOGICAL DESIGN
- TGJ3M1 – COMMUNICATIONS TECHNOLOGY
- TMJ3C1 – MANUFACTURING TECHNOLOGY
- TTJ3O1 – TRANSPORATION TECHNOLOGY
- TWJ3E1 – CUSTOM WOODWORKING
- TPJ3C1 – HEALTH CARE
- TPJ3M1 – HEALTH CARE

GRADE 12

- TCJ4C1 – CONSTRUCTION TECHNOLOGY
- TCJ4E1 – CONSTRUCTION TECHNOLOGY
- TDJ4M1 – TECHNOLOGICAL DESIGN
- TGJ4M1 – COMMUNICATIONS TECHNOLOGY
- TMJ4C1 – MANUFACTURING TECHNOLOGY
- TTJ4E1 – TRANSPORATION TECHNOLOGY
- TWJ4E1- CUSTOM WOODWORKING

COURSE DESCRIPTIONS

TIJ1O1/X (Co-ed or Female only)
Exploring Technologies, Grade 9, (Open)
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.

CONSTRUCTION TECHNOLOGY

TCJ2O1

Construction Technology, Grade 10, (Open)

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

Course Fee: $40

TCJ3C1

Construction Technology, Grade 11, (College)

Recommended Preparation: TCJ2O1

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**.**

Course Fee: $25

TCJ3E1

Construction Technology, Grade 11, (Workplace)

Recommended Preparation: TCJ2O1

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.

Course Fee: $25

TCJ4C1

Construction Technology, Grade 12, (College)

Prerequisite: TCJ3C1

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.

Course Fee: $25

TCJ4E1

Construction Technology, Grade 12, (Workplace)

Prerequisite: TCJ3E1

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.

Course Fee: $25

TECHNOLOGICAL DESIGN

TDJ2O1

Technological Design, Grade 10, (Open)

This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and learn about secondary and postsecondary education and training leading to careers in the field.

Course Fee: $10

TDJ3M1

Technological Design, Grade 11, (University/College)

Recommended Preparation: TDJ2O1

This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will explore career opportunities in the field, as well as the college and/or university program requirements for them.

Course Fee: $10

TDJ4M1

Technological Design, Grade 12, (University/College)

Prerequisite: TDJ3M1

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

Course Fee: $10

COMMUNICATIONS TECHNOLOGY

TGJ2O1

Communications Technology, Grade 10, (Open)

This course requires students to complete a range of communications technology projects. These may include creating printed stationery, short videos, computer-generated animations, and graphical information displays. Students will learn to transfer information using electronic, live and graphic communication methods. The knowledge and skills they will develop will provide a basis for careers in areas such as publishing, advertising, print production, animation, photography, and journalism.

TGJ3M1

Communications Technology, Grade 11, (University/College)

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic

communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and will explore college and university programs and career opportunities in the various communications technology fields.

TGJ4M1

Communications Technology, Grade 11, (University/College)

Prerequisite: TGJ3M1

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.

MANUFACTURING TECHNOLOGY

TMJ2O1

Manufacturing Technology, Grade 10, (Open)

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

Course Fee: $20

TMJ3C1

Manufacturing Engineering Technology, Grade 11, (College)

Recommended Preparation: TMJ2O1

This course enables students to develop knowledge and skills through hands-on, project based learning. Students will acquire design, fabrication, and problem-solving skills while using tools and equipment such as lathes, mills, welders, computer-aided machines, robots, and control systems. Students may have opportunities to obtain industry-standard certification and training. Students will develop an awareness

of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry. Course Fee: $20

TMJ4C1

Manufacturing Engineering Technology, Grade 12,

(College)

Prerequisite: TMJ3C1

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

Assessment Fee: $20

TRANSPORTATION TECHNOLOGY

TTJ2O1

Transportation Technology, Grade 10, (Open)

This course is an introduction to the transportation industry. It is a progression that leads students from basic bicycle repairs to small engine repairs and finishes with basic automotive maintenance. A series of practical tasks will help students develop problem solving, diagnostic, and mechanical aptitude. Students will also explore career and college opportunities in the transportation sector.

TTJ3O1

Transportation Technology, Grade 11, (Open)

Recommended Preparation: TTJ2O1

This course is designed as a general interest course that enables students to become familiar with the options and features of various vehicles, registration issues, legal requirements of owning a vehicle and the maintenance required to keep a vehicle in good running shape. Students will develop skills and explore careers in the transportation industry.

TTJ4E1

Transportation Technology, Grade 12, (Open)

Prerequisite: None

This 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 apprenticeship in the motive power trades. Students will learn about careers in the transportation industry and the skills and training required for them.

HEALTH CARE

TPJ3C1

Health Care, Grade 11, (College)

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

TPJ3M1

Health Care, Grade 11, (Mixed)

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

WOODWORKING

TWJ3E1

Woodworking, Grade 11, (Workplace)

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and will explore apprenticeships, post-secondary training, and career opportunities in the field that may be pursued directly after graduation. Course Fee: $40

TWJ4E1

Woodworking, Grade 12, (Workplace)

Prerequisite: TWJ3E1

This course enables students to further develop knowledge and skills related to the planning, design, and construction of residential and/or commercial cabinets and furniture. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation. Course Fee: $40

SPECIALIST HIGH SKILLS MAJOR (SHSM)

What is it?

The Specialist High Skills Major (SHSM) is one of the six new innovative programs in the Student Success Strategy offered by the Ministry of Education.

Students complete five components required within their SHSM sector and earn a specialized Ontario Secondary School Diploma (OSSD).

Why Pursue a SHSM?

The SHSM enables students to customize their high school experience to suit their interests and talents, and prepare for a successful postsecondary transition to apprenticeship training, college, university, or employment, while meeting the requirements of the Ontario Secondary School Diploma (OSSD).

The SHSM enables students to gain the sector-identified preparatory credits, skills and knowledge, and make informed career decisions. This makes the learning environment more engaging for students, focuses them on graduation and prepares them to pursue their career goals.

What are the Components of SHSM?

Students in the Specialist High Skills Major:

- select a bundle of 9-10 required credits identified in a Ministry approved framework including:
  - 4 'Major' credits within the sector (2 Grade 11, 2 Grade 12 – see sectors and course codes below)
  - 2 co-op credits linked to the 'Major' credits
  - other required credits including English, science and mathematics;
- earn sector recognized certifications such as First Aid, CPR and WHMIS;
- engage in experiential learning such as job shadowing, job twinning, participating in contests, attending a conference or workshop focusing on the sector;
- engage in 'reach ahead' experiences which provide students with the opportunity to experience the next step in their chosen pathway (i.e.: visit a workplace setting or an approved apprenticeship delivery agent, tour a University or College campus);

- Use the Ontario Skills Passport (OSP) to document demonstration of essential skills and work habits. This is completed in co-op.

When do Students start SHSM?

Students are able to enter a SHSM in Grade 11. Make an appointment with Ms. Durst through the Guidance office.

What SHSM Sectors are Offered?

Centennial currently has over 150 students enrolled in eight SHSM sectors:
Art and Culture, Business, Construction, Environmental Studies, Health and Wellness, Information and Communication Technology, Manufacturing and Transportation.

E-LEARNING

Beginning with the cohort of students who entered Grade 9 in the 2020-21 school year, all students, unless opting out, must earn a minimum of two *online learning credits* as part of the requirements for an Ontario Secondary School Diploma .

The ministry recognizes the extraordinary circumstances of the COVID-19 pandemic. As a result, this Policy/Program Memorandum recognizes up to one secondary school credit completed by Grade 9 students in the 2020-21 school year during the province-wide school closures (from April 2021 to June 2021) may be counted towards the graduation requirement.

Ontario teacher-led online learning will enable students to:

- access a wider variety of courses no matter where they live or go to school, allowing them to shape their education based on their individual needs and goals
- learn in engaging new ways, such as through hands-on, interactive features, simulations and collaboration with peers across the province
- increase their digital fluency and gain transferable skills to support lifelong learning and employment opportunities

Should parents/guardians, or the student if they are 18 years of age or older or 16 or 17 years of age and have withdrawn from parental control **wish to opt-out of online learning**, they may contact their school to obtain an Opt-Out form.

The following courses will be available in course selection for the 2022/23 school year:

Grade 10	Grade 11	Grade 12	Grade 12
AWQ2OZ	ENG3CZ	BAT4MZ	ICS4CZ
BBI2OZ	ENG3UZ	CGW4UZ	ICS4UZ
CHC2DZ	GPP3OZ	CHI4UZ	MCT4CZ
CHC2PZ	HSE3EZ	CLN4UZ	MCV4UZ
CHV2OZ/GLC2OZ	HSG3MZ	ENG4CZ	MDM4UZ
ENG2DZ	HSP3UZ	ENG4UZ	MHF4UZ
ENG2PZ	ICS3CZ	EWC4CZ	OLC4OZ
ICS2OZ	ICS3UZ	EWC4UZ	PSK4UZ

MPM2DZ	MBF3CZ	HHS4UZ	SCH4CZ
MFM2PZ	MCF3MZ	HIP4OZ	SES4UZ
NAC2OZ	MCR3UZ	HSB4UZ	SPH4CZ
SNC2PZ	NDA3MZ	HSC4MZ	SPH4UZ
SNC2DZ	PPZ3CZ	HSE4MZ	
	SVN3EZ		

CONTINUING EDUCATION

Continuing Education offers high school courses during the day, evening and summer. Information on these courses can be found on the UGDSB website at:

https://www.ugdsb.ca/continuing-education/.

Summer School

Registration for online or in-class course begins in the spring. Online course have limited enrollment, so please visit guidance early in the spring to register. Students can register for in-class options using MyBlueprint under the Continuing Education tab. Guidance counsellors will contact you if you do not have the pre-requisite for a course.

Night School

These classes are offered in a hybrid format; combining the benefits of face-to-face learning, online collaboration and self-paced learning. These courses are available to senior students; however, taking these courses while in day school may increase workloads. Students are advised to speak to a Guidance Counsellor and/or the school Principal. Students can also register for night school classes using MyBlueprint under the Continuing Education tab.

Day School

For students over the age of 18, who still require high school credits for post-secondary or graduation, there are some day school classes available. These run in six week intervals over various times over the year. Please visit guidance if you have any questions about these opportunities.

Please contact the guidance office for further information regarding these programs