



J CLARKE RICHARDSON COLLEGIATE
COURSE DESCRIPTIONS
2021-2022

CONTENTS

IN PERSON “FACE TO FACE” INSTRUCTION5

 GRADE 95

 ARTS5

 BUSINESS8

 CANADIAN AND WORLD STUDIES.....8

 ENGLISH9

 ENGLISH AS A SECOND LANGUAGE10

 FRENCH AS A SECOND LANGUAGE11

 GUIDANCE AND CAREER EDUCATION.....12

 SOCIAL SCIENCES AND HUMANITIES13

 MATHEMATICS13

 HEALTH AND PHYSICAL EDUCATION14

 SCIENCE.....15

 TECHNOLOGICAL EDUCATION16

 GRADE 10.....17

 ARTS17

 BUSINESS STUDIES21

 CANADIAN AND WORLD STUDIES.....21

 ENGLISH23

 FRENCH AS A SECOND LANGUAGE24

 GUIDANCE AND CAREER EDUCATION.....24

 SOCIAL SCIENCES AND HUMANITIES25

 COMPUTER STUDIES25

 CLASSICAL AND INTERNATIONAL LANGUAGES.....26

 MATHEMATICS26

 HEALTH AND PHYSICAL EDUCATION27

 PERSONAL AND FITNESS ACTIVITIES.....27

 SCIENCE.....29

 TECHNOLOGICAL EDUCATION30

 GRADE 1132

 ARTS32

 BUSINESS STUDIES38

 CANADIAN AND WORLD STUDIES.....40

| | |
|--|----|
| COOPERATIVE EDUCATION | 42 |
| ENGLISH | 43 |
| FRENCH AS A SECOND LANGUAGE | 44 |
| GUIDANCE AND CAREER EDUCATION..... | 44 |
| SOCIAL SCIENCES AND HUMANITIES | 45 |
| COMPUTER STUDIES | 46 |
| INTERDISCIPLINARY STUDIES | 47 |
| CLASSICAL AND INTERNATIONAL LANGUAGES..... | 47 |
| MATHEMATICS | 48 |
| FIRST NATIONS, MÉTIS AND INUIT STUDIES | 49 |
| HEALTH AND PHYSICAL EDUCATION | 50 |
| SCIENCE..... | 53 |
| TECHNOLOGICAL EDUCATION | 55 |
| GRADE 12..... | 58 |
| ARTS..... | 58 |
| BUSINESS | 64 |
| CANADIAN AND WORLD STUDIES..... | 65 |
| COOPERATIVE EDUCATION..... | 67 |
| ENGLISH | 67 |
| FRENCH AS A SECOND LANGUAGE | 69 |
| SOCIAL SCIENCES AND HUMANITIES | 70 |
| COMPUTER STUDIES..... | 73 |
| INTERDISCIPLINARY STUDIES | 73 |
| CLASSICAL AND INTERNATIONAL LANGUAGES..... | 74 |
| MATHEMATICS | 74 |
| FIRST NATIONS, MÉTIS AND INUIT STUDIES | 76 |
| HEALTH AND PHYSICAL EDUCATION | 77 |
| SCIENCE..... | 79 |
| GRADE 12 STUDY HALL | 82 |
| TECHNOLOGICAL EDUCATION | 83 |

| | |
|--|-----|
| SYNCHRONOUS VIRTUAL | 86 |
| ARTS..... | 86 |
| BUSINESS STUDIES..... | 87 |
| CANADIAN AND WORLD STUDIES..... | 87 |
| ENGLISH | 89 |
| FRENCH AS A SECOND LANGUAGE | 93 |
| GUIDANCE AND CAREER EDUCATION..... | 95 |
| SOCIAL SCIENCE AND HUMANTIES | 96 |
| MATHEMATICS | 97 |
| FIRST NATIONS, MÉTIS AND INUIT STUDIES | 102 |
| HEALTH AND PHYSICAL EDUCATION | 104 |
| SCIENCE..... | 106 |
| TECHNOLOGICAL EDUCATION | 112 |

IN PERSON "FACE TO FACE" INSTRUCTION

GRADE 9

ARTS

ADA101 - DRAMATIC ARTS, GRADE 9

ARTS, OPEN

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

Prerequisites: NONE

ADB101 - DRAMATIC ARTS - MUSIC THEATRE, GRADE 9

ARTS, OPEN

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

This is a two credit course. Students will earn both a ADB101 credit and a AMU101 credit in this course. Application and Audition required. This course may NOT be selected as an alternative course. This class will

produce a school musical in conjunction with the Music Theatre Instrumental Class, the Visual Arts Stage Design Class and the Production Class. There is a course fee of \$60 for 4 tickets to the musical.

Prerequisites: NONE

ADD101 - DRAMATIC ARTS - PRODUCTION, GRADE 9

ARTS, OPEN

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to

develop an understanding of themselves, the art form, and the world around them. Production will focus on the technical and promotional aspects of theatre performance. Students will learn the dynamics of stage management, lighting, sound, the elements of safety practices in a theatre setting and special effects, as well as develop and apply promotional and fund raising strategies for the school musical and other theatre productions.

Prerequisites: NONE

AMD101 - ELECTRONIC MUSIC (COMPUTERS AND MUSIC, GRADE 9

ARTS, OPEN

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform and create traditional, commercial, and art music through a variety of digital music platforms. Students will develop their understanding of musical conventions, practices and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities and cultures. Piano and guitar skills would be an asset. However, no previous experience is required to take this course.

Prerequisites: NONE

AMG101 - GUITAR MUSIC, GRADE 9

ARTS, OPEN

This is an introductory course to acquaint the student with basic guitar technique. Topics will include tuning, finger picking, improvisation and basic cording. Emphasis will be in the popular song idiom. No previous experience is necessary and acoustic guitars will be provided for each student.

Prerequisites: NONE

AMI101 - INSTRUMENTAL MUSIC - BAND, GRADE 9

ARTS, OPEN

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

Prerequisites: NONE

AMU101 - MUSIC - MUSIC THEATRE - VOCAL/CHORAL PERFORMANCE, GRADE 9

ARTS, OPEN

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

This class will produce a school musical in conjunction with the Music Theatre Instrumental Class, the Visual Arts Stage Design Class and the Production Class. You are asked to pay a fee of \$60 for 4 tickets to the musical.

Prerequisites: NONE

AMV101 - MUSIC - VOCAL/CHORAL, GRADE 9

ARTS, OPEN

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

Prerequisites: NONE

AVI101 - VISUAL ARTS, GRADE 9

ARTS, 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 analysis processes and will interpret art within a personal, contemporary, and historical context

Prerequisites: NONE

BUSINESS

BTT101 - INTRO. TO INFO TECH IN BUSINESS, GRADE 9

BUSINESS STUDIES, 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.

Students cannot take both BTT101 and BTT201, as they are the same course.

Prerequisites: NONE

CANADIAN AND WORLD STUDIES

CGC1D1 - ISSUES IN CANADIAN GEOGRAPHY, GRADE 9

CANADIAN AND WORLD STUDIES, 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 in which to live.

Prerequisites: NONE

CGC1P1 - ISSUES IN CANADIAN GEOGRAPHY, GRADE 9

CANADIAN AND WORLD STUDIES, APPLIED

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore issues relating to food and water supplies, competing land uses, interactions with the natural environment, and other topics relevant to sustainable living in Canada. They will also develop an awareness that issues that affect their lives in Canada are interconnected with issues in other parts of the world. Throughout the course, students will use the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations.

Prerequisites: NONE

ENGLISH

ENG1D1 - ENGLISH, GRADE 9

ENGLISH, ACADEMIC

This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

Prerequisites: NONE

ENG1L1 - ENGLISH, GRADE 9

ENGLISH, LOCALLY DEVELOPED

This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.

Prerequisites: NONE

ENG1P1 - ENGLISH, GRADE 9

ENGLISH, APPLIED

This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.

Prerequisites: NONE

ENGLISH AS A SECOND LANGUAGE

ESLA01 - BEGINNING COMM. IN ENGLISH, GRADE 9

ENGLISH AS A SECOND LANGUAGE, OPEN

This course builds on students' previous education and language knowledge to introduce them to the English language and help them adjust to the diversity in their new environment. Students will use beginning English language skills in listening, speaking, reading, and writing for every-day and essential academic purposes. They will engage in short conversations using basic English language structures and simple sentence patterns; read short adapted texts; and write phrases and short sentences. The course also provides students with the knowledge and skills they need to begin to adapt to their new lives in Canada.

Prerequisites: NONE

ESLBO1 - ENGLISH IN DAILY LIFE, GRADE 9

ENGLISH AS A SECOND LANGUAGE, OPEN

This course extends students' listening, speaking, reading, and writing skills in English for every-day and academic purposes. Students will participate in conversations in structured situations on a variety of familiar and new topics; read a variety of texts designed or adapted for English language learners; expand their knowledge of English grammatical structures and sentence patterns; and link English sentences to compose paragraphs. The course also supports students' continuing adaptation to the Ontario school system by expanding their knowledge of diversity in their new province and country.

Prerequisites: NONE

ESLCO1 - ENGLISH FOR SCHOOL AND WORK, GRADE 9

ENGLISH AS A SECOND LANGUAGE, OPEN

This course further extends students' skills in listening, speaking, reading, and writing in English for a variety of everyday and academic purposes. Students will make short classroom oral presentations; read a variety of adapted and original texts in English; and write using a variety of text forms. As well, students will expand their academic vocabulary and their study skills to facilitate their transition to the mainstream school program. This course also introduces students to the rights and responsibilities inherent in Canadian citizenship, and to a variety of current Canadian issues.

Prerequisites: NONE

ESLDO1 - STUDY SKILLS IN ENGLISH, GRADE 9

ENGLISH AS A SECOND LANGUAGE, OPEN

This course prepares students to use English with increasing fluency and accuracy in classroom and social situations and to participate in Canadian society as informed citizens. Students will develop the oral-presentation, reading, and writing skills required for success in all school subjects. They will extend listening and speaking skills through participation in 63 discussions and seminars; study and interpret a variety of grade-level texts; write narratives, articles, and summaries in English; and respond critically to a variety of print and media texts.

Prerequisites: NONE

ESLEO1 - BRIDGE TO ENGLISH, GRADE 9

ENGLISH AS A SECOND LANGUAGE, OPEN

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

Prerequisites: NONE

FRENCH AS A SECOND LANGUAGE

FSF1D1 - CORE FRENCH, GRADE 9

FRENCH AS A SECOND LANGUAGE, ACADEMIC

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

Prerequisites: NONE

FSF1P1 - CORE FRENCH, GRADE 9

FRENCH AS A SECOND LANGUAGE, APPLIED

This course provides opportunities for students to communicate and interact in French in structured situations, with a focus on everyday topics, and to apply their knowledge of French in everyday situations. Students will develop listening, speaking, reading, and writing skills introduced in the elementary Core French program, through practical applications and concrete examples, and will use creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisites: NONE

GUIDANCE AND CAREER EDUCATION

GLE101 - LEARNING STRATEGIES, GRADE 9

GUIDANCE AND CAREER EDUCATION, OPEN

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.

Prerequisites: NONE

GLS101 - GRADE 9 MATH PREPARATION, GRADE 9

GUIDANCE AND CAREER EDUCATION, OPEN

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.

This course focuses on learning strategies to help students become better, more independent learners in preparation for Grade 9 Mathematics. Students will learn how to develop and apply numeracy skills, personal management skills, and interpersonal skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and close gaps to pursue opportunities for success.

Prerequisites: NONE

SOCIAL SCIENCES AND HUMANITIES

HIF101 - EXPLORING FAMILY STUDIES, GRADE 9

SOCIAL SCIENCES AND HUMANITIES, 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.

Prerequisites: NONE

MATHEMATICS

MAT1L1 - MATHEMATICS, GRADE 9

MATHEMATICS, LOCALLY DEVELOPED

This course provides students who have experienced difficulties in previous mathematics courses an opportunity obtain sufficient background and skill development to prepare them for Grade 11 and 12 Workplace Preparation courses. Whenever possible, ideas will be presented in a realistic context providing students with an opportunity to explore, organize, interpret, and use mathematical models to solve problems. Technology and manipulative materials will be used wherever appropriate.

Prerequisites: NONE

MTH1W1 - MATHEMATICS - GRADE 9, GRADE 9

MATHEMATICS, DESTREAMED

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.

Prerequisites: NONE

HEALTH AND PHYSICAL EDUCATION

PAR104 - RHYTHM AND MOVEMENT - FEMALE, GRADE 9

HEALTH AND PHYSICAL EDUCATION, OPEN

This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also

acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. The focus of this course will include a variety of

dance forms including ballet, jazz, tap, hip hop, cultural or folk, and creative and interpretive.

This is a female only course. There is a fee of \$15 for the purchase of a Richardson Collegiate Athletics t-shirt. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PPL103 - HEALTHY ACTIVE LIVING EDUCATION, GRADE 9

HEALTH AND PHYSICAL EDUCATION, OPEN

This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a male only course. There is a fee of \$15 for the purchase of a Richardson Collegiate Athletics t-shirt. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PPL104 - HEALTHY ACTIVE LIVING EDUCATION, GRADE 9

HEALTH AND PHYSICAL EDUCATION, OPEN

This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a female only course. There is a fee of \$15 for the purchase of a Richardson Collegiate Athletics t-shirt. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

SCIENCE

SNC1D1 - SCIENCE, GRADE 9

SCIENCE, ACADEMIC

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

Prerequisites: NONE

SNC1L1 - SCIENCE, GRADE 9

SCIENCE, LOCALLY DEVELOPED

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

Prerequisites: NONE

SNC1P1 - SCIENCE, GRADE 9

SCIENCE, APPLIED

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

Prerequisites: NONE

TECHNOLOGICAL EDUCATION

TFJ101 - HOSPITALITY&TOURISM TECHNOLOGY, GRADE 9

TECHNOLOGICAL EDUCATION, OPEN

This course is offered as of September 2009

This exploratory course introduces students to concepts and skills related to hospitality and tourism, focusing on the areas of food handling, food preparation, the origins of foods, event planning, and local tourism. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

Prerequisites: NONE

TIJ101 - EXPLORING TECHNOLOGIES, GRADE 9

TECHNOLOGICAL EDUCATION, 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.

Prerequisites: NONE

GRADE 10

ARTS

ADA201 - DRAMATIC ARTS, GRADE 10

ARTS, OPEN

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

Prerequisites: NONE

ADB201 - DRAMATIC ARTS - MUSIC THEATRE, GRADE 10

ARTS, OPEN

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

This is a two credit course. Students will earn both a ADB201 credit and a AMU201 credit in this course. Interview/Audition required. This class will produce a school musical in conjunction with the Music Theatre

Instrumental Class, the Visual Arts Stage Design class and the production class. STUDENTS MAY ONLY CHOOSE ONE OF ADB201 OR ADD3M1 OR AWJ201 OR AMT201, AS THESE CLASSES ARE TAUGHT AT THE SAME TIME.

There is a course fee of \$60 for 4 tickets to the musical.

Prerequisites: NONE

ADD201 - DRAMATIC ARTS - PRODUCTION - MUSIC THEATRE, GRADE 10

ARTS, OPEN

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

performance. Students will learn the dynamics of stage management, lighting, sound, and special effects, as well as develop and apply promotional and fund raising strategies for the school musical and other theatre productions.

Application/Interview required. STUDENTS MAY ONLY CHOOSE ONE OF THE MUSICAL PRODUCTION CLASSES AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a course fee of \$60 for 4 tickets to the musical.

Prerequisites: NONE

AMD201 - ELECTRONIC MUSIC (COMPUTERS AND MUSIC), GRADE 10

ARTS, OPEN

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform and create traditional, commercial, and art music through a variety of digital music platforms. Students will develop their understanding of musical conventions, practices and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities and cultures. Piano and guitar skills would be an asset. However, no previous experience is required to take this course.

Prerequisites: NONE

AMG201 - GUITAR MUSIC, GRADE 10

ARTS, OPEN

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

Prerequisites: NONE

AM1201 - INSTRUMENTAL MUSIC - BAND, GRADE 10

ARTS, OPEN

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

Prerequisites: NONE

AMT201 - MUSIC THEATRE - INSTRUMENTAL PERFORMANCE, GRADE 10

ARTS, OPEN

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.

Application, Interview and Audition required. This class will produce a school musical in conjunction with the Visual Arts stage design class, the production class and the performance class. STUDENTS MAY ONLY CHOOSE ONE OF ADB201 OR ADD3M1 OR AWJ201 OR AMT201, AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a \$10 fee for the purchase of a music theory notebook and a course fee of \$60 for 4 tickets to the musical.

Prerequisites: NONE

AMU201 - MUSIC - MUSIC THEATRE - VOCAL/CHORAL PERFORMANCE, GRADE 10

ARTS, OPEN

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

This class will produce a school musical in conjunction with the Music Theatre Instrumental Class, the Visual Arts Stage Design Class and the Production Class. You are asked to pay a fee of \$60 for 4 tickets to the musical.

Prerequisites: NONE

AMV201 - MUSIC - VOCAL/CHORAL, GRADE 10

ARTS, OPEN

This course emphasizes performance of music at a level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. This course is designed for students who wish to study music through singing, emphasizing the fundamentals of good singing through breathing, voice production, diction and ear training.

Prerequisites: NONE

ASM201 - MEDIA ARTS, GRADE 10

ARTS, OPEN

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

Prerequisites: NONE

ATC201 - DANCE, GRADE 10

ARTS, 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.

Prerequisites: NONE

AVI201 - VISUAL ARTS, GRADE 10

ARTS, 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.

Prerequisites: NONE

BUSINESS STUDIES

BBI201 - INTRODUCTION TO BUSINESS, GRADE 10

BUSINESS STUDIES, 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 of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

Prerequisites: NONE

BTT201 - INTRO. TO INFO TECH IN BUSINESS, GRADE 10

BUSINESS STUDIES, 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

Students cannot take both BTT101 and BTT201, as they are the same course.

Prerequisites: NONE

CANADIAN AND WORLD STUDIES

CHC2D1 - CANADIAN HISTORY SINCE WWI, GRADE 10

CANADIAN AND WORLD STUDIES, ACADEMIC

This course explores social, economic, and political developments and events and their impact on the lives of different individuals, groups, and communities, including First Nations, Métis, and Inuit individuals and communities, in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on identities, citizenship, and heritage in Canada. Students will develop an understanding of some of the political developments and government policies that have had a lasting impact on First Nations, Métis, and Inuit individuals and communities. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

Prerequisites: NONE

CHC2L1 - CDN HISTORY IN THE 20TH CENTURY, GRADE 10

CANADIAN AND WORLD STUDIES, LOCALLY DEVELOPED

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

Prerequisites: NONE

CHC2P1 - CANADIAN HISTORY SINCE WWI, GRADE 10

CANADIAN AND WORLD STUDIES, APPLIED

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada, including First Nations, Métis, and Inuit individuals and communities, since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to heritage and identities in Canada. Students will develop an understanding of some key political developments and government policies that have had an impact on First Nations, Métis, and Inuit individuals and communities. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

Prerequisites: NONE

CHV2O1 - CIVICS AND CITIZENSHIP, GRADE 10

CAREER STUDIES/CIVICS, OPEN

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.

Prerequisites: NONE

ENGLISH

ELS201 - LITERACY SKILLS, GRADE 10

ENGLISH LITERACY DEVELOPMENT, OPEN

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

Prerequisites: NONE

ENG2D1 - ENGLISH, GRADE 10

ENGLISH, ACADEMIC

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.

Prerequisites: ENG1D,ENG1P

ENG2L1 - ENGLISH, GRADE 10

ENGLISH, LOCALLY DEVELOPED

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English, Grade 11, Workplace Preparation course, or in the English: Contemporary Aboriginal Voices, Grade 11, Workplace Preparation course. The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking. Students reflect regularly upon their growth in these areas.

Prerequisites: ENG1L

ENG2P1 - ENGLISH, GRADE 10

ENGLISH, APPLIED

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

Prerequisites: ENG1D,ENG1P

FRENCH AS A SECOND LANGUAGE

FSF2D1 - CORE FRENCH, GRADE 10

FRENCH AS A SECOND LANGUAGE, ACADEMIC

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

Prerequisites: FSF1D,FSF1P

GUIDANCE AND CAREER EDUCATION

GLC2O1 - CAREER STUDIES, GRADE 10

CAREER STUDIES/CIVICS, OPEN

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

Prerequisites: NONE

GLE201 - LEARNING STRATEGIES, GRADE 10

GUIDANCE AND CAREER EDUCATION, OPEN

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.

Prerequisites: NONE

SOCIAL SCIENCES AND HUMANITIES

HNL201 - CLOTHING, GRADE 10

SOCIAL SCIENCES AND HUMANITIES, OPEN

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

Prerequisites: NONE

COMPUTER STUDIES

ICS201 - INTRO TO COMPUTER STUDIES, GRADE 10

COMPUTER STUDIES, OPEN

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

Prerequisites: NONE

CLASSICAL AND INTERNATIONAL LANGUAGES

LWSBD1 - SPANISH-INTERNATIONAL LANGUAGES, GRADE 10

CLASSICAL AND INTERNATIONAL LANGUAGES, ACADEMIC

This course allows students with little or no prior experience with the Spanish language to develop an appreciation for Spanish culture and values through language. Students develop the three strands: Oral Communication, Reading and Writing. Students build and apply their knowledge of Spanish while exploring a variety of themes, such as relationships, trends, careers and a global overview of the Spanish speaking people and world. Thematic readings include a selection of readers, adapted short stories, articles, magazines, texts on CD ROM's, and the Internet as stepping stones to oral and written activities.

Prerequisites: NONE

MATHEMATICS

MAT2L1 - MATHEMATICS, GRADE 10

MATHEMATICS, LOCALLY DEVELOPED

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

Prerequisites: MAT1L,MFM1P,MPM1D

MFM2P1 - FOUNDATIONS OF MATHEMATICS, GRADE 10

MATHEMATICS, APPLIED

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.

Prerequisites: MPM1D,MFM1P

MPM2D1 - PRINCIPLES OF MATHEMATICS, GRADE 10

MATHEMATICS, ACADEMIC

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.

Prerequisites: MPM1D, MTH1W1

HEALTH AND PHYSICAL EDUCATION

PAD201 - OUTDOOR ACTIVITIES - CO-ED, GRADE 10

HEALTH AND PHYSICAL EDUCATION, OPEN

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices. The curriculum for the Outdoor Activities course will be delivered through outdoor education activities (eg. Rock Climbing, High Ropes course, Skiing, Trust Games, Orienteering, Cycling, Hiking, Golf, etc.). Students will be expected to participate in outdoor activities for the majority of the course.

There is a course fee of approximately \$400 for activities and trips. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course. Students must wear their Richardson t-shirt and black shorts for this course.

Prerequisites: NONE

PERSONAL AND FITNESS ACTIVITIES

PAF203 - PERSONAL AND FITNESS ACTIVITIES - MALE, GRADE 10

HEALTH AND PHYSICAL EDUCATION, 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. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a male only course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PAI204 - INDIVIDUAL&SMALL GRP ACTIVITIES - FEMALE, GRADE 10

HEALTH AND PHYSICAL EDUCATION, OPEN

Student's learning in the Grade 10 Girls Fit for Life will include the application of movement principles to refine skills; participation in activities that enhance personal competency, fitness and health with an emphasis on power fitness walking and weight training; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution and social skills in making personal choices. Students interested in improving their personal fitness will gravitate to this weight training and fitness power walking course.

Students must wear their Richardson t-shirt and black shorts for this course. This is a female only course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PAL201 - LARGE GROUP ACTIVITIES - COED, GRADE 10

HEALTH AND PHYSICAL EDUCATION, OPEN

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision making, conflict resolution, and social skills in making personal choices. This co-ed course will focus on basketball, volleyball, soccer and fitness as the vehicle through which students will attain course expectations.

Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PPL203 - HEALTHY ACTIVE LIVING EDUCATION - MALE, GRADE 10

HEALTH AND PHYSICAL EDUCATION, 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. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a male only course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PPL204 - HEALTHY ACTIVE LIVING EDUCATION - FEMALE, GRADE 10

HEALTH AND PHYSICAL EDUCATION, 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. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a female only course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of

parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

SCIENCE

SNC2D1 - SCIENCE, GRADE 10

SCIENCE, ACADEMIC

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.

Prerequisites: SNC1D,SNC1P

SNC2L1 - SCIENCE, GRADE 10

SCIENCE, LOCALLY DEVELOPED

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace, and in the Grade 11 Science Workplace Preparation course. Students explore a range of topics, including science in media, interactions of common materials, interdependence of organisms in communities, and using electrical energy.

Prerequisites: NONE

SNC2P1 - SCIENCE, GRADE 10

SCIENCE, APPLIED

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.

Prerequisites: SNC1D,SNC1P

TECHNOLOGICAL EDUCATION

TCJ201 - CONSTRUCTION TECHNOLOGY, GRADE 10

TECHNOLOGICAL EDUCATION, 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.

This course has an option for students to pay for upgraded project materials

Prerequisites: NONE

TDJ201 - TECHNOLOGICAL DESIGN, GRADE 10

TECHNOLOGICAL EDUCATION, 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 will learn about secondary and postsecondary education and training leading to careers in the field.

Prerequisites: NONE

TFJ201 - HOSPITALITY & TOURISM, GRADE 10

TECHNOLOGICAL EDUCATION, OPEN

This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the tourism industry.

Prerequisites: NONE

TGJ201 - COMMUNICATIONS TECHNOLOGY, GRADE 10

TECHNOLOGICAL EDUCATION, OPEN

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

Prerequisites: NONE

TTJ201 - TRANSPORTATION TECHNOLOGY, GRADE 10

TECHNOLOGICAL EDUCATION, OPEN

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

Prerequisites: NONE

TXJ201 - HAIRSTYLING AND AESTHETICS, GRADE 10

TECHNOLOGICAL EDUCATION, OPEN

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

Prerequisites: NONE

GRADE 11

ARTS

ADA3M1 - DRAMATIC ARTS, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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

Prerequisites: ADA10,ADA20

ADB3M1 - DRAMATIC ARTS - MUSIC THEATRE, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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

This is a two credit course. Students will earn both a ADB3M1 credit and a AMU3M1 credit in this course. Interview/Audition required. This class will produce a school musical in conjunction with the Music Theatre

Instrumental Class, the Visual Arts Stage Design class and the Production class. STUDENTS MAY ONLY CHOOSE ONE OF ADB3M1 OR ADD3M1 OR AWJ3M1 OR AMT3M1, AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a course fee of \$60 for 4 tickets to the musical.

Prerequisites: ADA201,ADB201,ADA101,ADB101

ADD3M1 - DRAMATIC ARTS - PRODUCTION - MUSIC THEATRE, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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

performance. Students will learn the dynamics of stage management, lighting, sound, and special effects, as well as develop and apply promotional and fund raising strategies for the school musical and other theatre productions.

Application/Interview required. STUDENTS MAY ONLY CHOOSE ONE OF THE MUSICAL PRODUCTION CLASSES AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a course fee of \$60 for 4 tickets to the musical.

Prerequisites: ADD201

AMG3M1 - GUITAR MUSIC, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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

Prerequisites: AMG20

AMI3M1 - INSTRUMENTAL MUSIC - BAND, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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

Prerequisites: AMI10,AMI20

AMM301 - MUSIC AND COMPUTERS, GRADE 11

ARTS, OPEN

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

of music in society with reference to the self, communities and cultures.

Prerequisites: NONE

AMT3M1 - MUSIC THEATRE - INSTRUMENTAL PERFORMANCE, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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

Interview/Audition required. STUDENTS MAY ONLY CHOOSE ONE OF ADB3M1 OR ADD3M1 OR AWJ3M1 OR AMT3M1, AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a \$10 fee for the purchase of a music theory notebook and a course fee of \$60 for 4 tickets to the musical.

Prerequisites: AMT201,AMI101,AMI201,AMG101,AMG201

MUSIC - MUSIC THEATRE - VOCAL/CHORAL PERFORMANCE, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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

This class will produce a school musical in conjunction with the Music Theatre Instrumental Class, the Visual Arts Stage Design Class and the Production Class. You are asked to pay a fee of \$60 for 4 tickets to the musical.

Prerequisites: AMU10,AMU20,AMV101,AMV201

AMV3M1 - MUSIC - VOCAL/CHORAL, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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

Prerequisites: AMV20

ASM3M1 - MEDIA ARTS - YEARBOOK DESIGN - SEMESTER 1`, GRADE 11

ARTS, UNIVERSITY/COLLEGE

This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyse the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and values. This course focuses on the development of the skills necessary to create a student yearbook throughout its stages of production. In this class, students will develop photography skills, written language/journalism skills, computer graphic design skills, and leadership skills. As a result, in class assignments will focus on the development of the skills listed above. The first portion of the semester will be devoted to creating a foundational knowledge of the software, hardware and skills necessary in the creation of a yearbook.

Students are required to have a USB stick to store digital work and have access to a digital camera.

Prerequisites: ASM20,AVI101,AVI201

ATC3M1 - DANCE, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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.

Prerequisites: ATC10,ATC20

AVI3M1 - VISUAL ARTS, GRADE 11

ARTS, UNIVERSITY/COLLEGE

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

Prerequisites: AVI10,AVI20

AWJ3M1 - VISUAL ARTS - MUSIC THEATRE - STAGE DESIGN PART 1, GRADE 11

ARTS, UNIVERSITY/COLLEGE

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emergent technologies. Students will use the critical analysis process when evaluating their own work of others. The course may be delivered as comprehensive program or through a program focused on a particular art form (e.g. photography, video, computer graphics, information design. This course develops student's understanding of the creative process as it relates to stage design. Students will have a chance to apply their own creative solutions to resolving design challenges unique to stage design. This course provides students the opportunity to focus on the importance of documenting their design process through the use of a design journal and portfolio. They will develop both their individual and collective identities as they explore the world of theatre design, learn to respect the theatre protocols and understand the interconnected roles of the theatre design team, directors, cast and crew.

Students will collaborate towards a shared vision while planning and creating the scenery and props for our school's annual musical. Application /Interview required. STUDENTS MAY ONLY CHOOSE ONE OF ADB3M1 OR ADD3M1 OR AWJ3M1 OR AMT3M1, AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a course fee of \$60 for 4 tickets to the musical.

Prerequisites: AVI101,AVI201,ASM201

AWM3M1 - VISUAL ARTS-DRAWING & PAINTING - PORTFOLIO DESIGN, GRADE 11

ARTS, UNIVERSITY/COLLEGE

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g., photography, video, computer graphics, information design). The purpose of this course is to build upon drawing and painting skills learned in grades 9 & 10 Visual Art. Students will be able to develop ideas, using the creative process and build a portfolio that can be used to apply to university/college programs. This course is intended for those students who have an interest in pursuing Visual Arts in post-secondary or some aspect of their career.

Course enhancement fee is \$20 for an art kit. This art kit includes the basics for completing the assignments in this course. Other enrichment tools may be required based on the individuals progress and focus in the course.

Prerequisites: AVI101,AVI201,ASM201

AWP3M1 - VISUAL ARTS - MUSIC THEATRE - STAGE DESIGN PART 2, GRADE 11

ARTS, UNIVERSITY/COLLEGE

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g., photography, video, computer graphics, information design). Note: Students will have real-life experience of learning the possibilities and challenges of collaborating towards a shared vision while planning and creating the scenery and props for our school's annual musical. This course provides students with opportunities to further develop their skills and knowledge in visual arts. Students will create a number of prop and scenery pieces for the school musical using various non-traditional sculpture techniques. Students will get a chance to work in a team and learn how to confront and solve various technical challenges unique to three-dimensional art production. Students will learn the technical skills necessary in sculpture and painting techniques to realize their designs. This course provides students the opportunity to focus on the importance of documenting their design process through the use of a design journal and portfolio.

Prerequisites: AVI101,AVI201,ASM201

AWQ3M1 - VISUAL ARTS - PHOTOGRAPHY - YEARBOOK DESIGN - SEMESTER 2, GRADE 11

ARTS, UNIVERSITY/COLLEGE

This course provides each student with an introduction to the basic concepts of digital imaging as applied to photography. With hands-on experience using applicable technology, modern developments will be presented which have led to the present applications of digital imaging which combine traditional photographic ideas with electronic media. The student will have the opportunity to learn how to operate image manipulation software using a variety of scanning equipment, software tools and output devices by executing new assignments and applying these technologies to their photographic process. This is an advanced course for students who would like to further, develop their photographic practice. Through the course, students will strengthen their shooting skills, explore experimental digital editing techniques and expand their artistic expression. This course will also focus on the use of Photoshop as an essential tool in the photographic arts. Assignments range from technical skill building to creative problem solving. Students will create a range of photographic images drawing upon personal experience and community. They will be examining historical and cultural contexts of digital photographic arts, and analyzing photographs. Emphasis in this course is on developing unique creative and personal expression through the photographic medium. Highly recommended TGJ201 and or TGJ3M1.

Prerequisites: AVI10,AVI20,TGJ201

BUSINESS STUDIES

BAF3M1 - INTRO. TO FINANCIAL ACCOUNTING, GRADE 11

BUSINESS STUDIES, 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 ethics and current issues in accounting.

Prerequisites: NONE

BAI3E1 - ACCOUNTING ESSENTIALS, GRADE 11

BUSINESS STUDIES, WORKPLACE

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

Prerequisites: NONE

BDI3C1 - ENTREPRENEURSHIP:THE DIGITAL STARTUP, GRADE 11

BUSINESS STUDIES, 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 school-based or student-run business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs. This course focuses on how today's entrepreneurs use continuous innovation to create radically successful digital businesses. Students will develop revenue-generating ideas that utilize digital mediums such as websites and mobile apps to solve real consumer problems. Rather than creating elaborate business plans, students will develop the skills to launch a real business and learn how to test their ideas continuously, to adapt, adjust and thrive in today's digital world.

Prerequisites: NONE

BMI3C1 - INTRODUCTION TO MARKETING, GRADE 11

BUSINESS STUDIES, 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.

Prerequisites: NONE

BMX3E1 - MARKETING:RETAIL & SERVICE, GRADE 11

BUSINESS STUDIES, WORKPLACE

This course focuses on marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the 24 importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing-related positions in the workplace.

Prerequisites: NONE

BTA3O1 - INFO & COMM TECH: DIGITAL ENVIR, GRADE 11

BUSINESS STUDIES, OPEN

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

Prerequisites: NONE

CANADIAN AND WORLD STUDIES

CGF3M1 - FORCES OF NATURE:PHYS. PROCESS, GRADE 11

CANADIAN AND WORLD STUDIES, UNIVERSITY/COLLEGE

In this course, students will explore physical processes related to the earth's water, land, and air. They will investigate how these processes shape the planet's natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial 34 technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them.

Prerequisites: CGC1D,CGC1P

CGG3O1 - TRAVEL & TOURISM:GEOG. PERSP., GRADE 11

CANADIAN AND WORLD STUDIES, 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.

Prerequisites: CGC1D,CGC1P

CHA3U1 - AMERICAN HISTORY, GRADE 11

CANADIAN AND WORLD STUDIES, UNIVERSITY

This course explores key aspects of the social, economic, and political development of the United States from precontact to the present. Students will examine the contributions of groups and individuals to the country's evolution and will explore the historical context of key issues, trends, and events that have had an impact on the United States, its identity and culture, and its role in the global community. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating various forces that helped shape American history.

Prerequisites: CHC2D,CHC2P

CHW3M1 - WORLD HISTORY TO 15TH CENTURY, GRADE 11

CANADIAN AND WORLD STUDIES, UNIVERSITY/COLLEGE

This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, 38 political, and economic structures and historical forces at work in various societies and in different historical eras.

Prerequisites: CHC2D,CHC2P

CIE3M1 - THE INDIVIDUAL AND THE ECONOMY, GRADE 11

CANADIAN AND WORLD STUDIES, UNIVERSITY/COLLEGE

This course explores issues and challenges facing the Canadian economy as well as the implications of various responses to them. Students will explore the economic role of firms, workers, and government as well as their own role as individual consumers and contributors, and how all of these roles affect stability and change in the Canadian economy. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate the impact of economic issues and decisions at the individual, regional, and national level.

Prerequisites: CHC2D,CHC2P

CLU3E1 - UNDERSTANDING CANADIAN LAW, GRADE 11

CANADIAN AND WORLD STUDIES, WORKPLACE

This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyberbullying, and criminal offences. Students will begin to develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating legal issues that are relevant to life in Canada today.

Prerequisites: CHC2D,CHC2P

CLU3M1 - UNDERSTANDING CANADIAN LAW, GRADE 11

CANADIAN AND WORLD STUDIES, UNIVERSITY/COLLEGE

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of laws relating to rights and freedoms in Canada; our legal system; and family, contract, employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them.

Prerequisites: CHC2D,CHC2P

COOPERATIVE EDUCATION

CWE108 - CO-OPERATIVE EDUCATION - (1 CREDIT PEER HELPING), GRADE 11

COOPERATIVE EDUCATION, OPEN

This course prepares and motivates students to provide leadership and peer assistance to others in the school. Students in this course will work as peer helpers in a Grade 9 classroom in various subject areas. Students will develop skills in communication, interpersonal relations, coaching, leadership, teamwork, and conflict management. Students should have had a successful academic experience in the chosen subject they would like to peer-help in. Students will become a depended upon resource in the classroom and as such should commit to excellent attendance.

Application and Interview Required

Prerequisites: GLC201

DCO309 - CREATING OPP. THROUGH CO-OP (2 CREDIT CO-OP), GRADE 11

COOPERATIVE EDUCATION, OPEN

This course consists of a learning experience connected to a community and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being and that will strengthen their inquiry, decisionmaking, and leadership skills. Students will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.

Students will have to participate in an interview with a cooperative education teacher as well as potential employer(s). Student might be asked to discuss prior attendance and academic success in interview. Students will be seen as an employee, as such they should commit to continued excellent attendance.

Prerequisites: GLC201

ENGLISH

EMS301 - MEDIA STUDIES, GRADE 11

ENGLISH, OPEN

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

Prerequisites: ENG2D,ENG2P

NBE3C1-ENG:FIRSTNATION/METIS/INUIT VOICE, GRADE 11

ENGLISH, COLLEGE

This course explores themes, forms, and styles of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course.

J. Clarke Richardson is one of the many schools across Ontario who have moved to offering Grade 11 students the NBE3C course as our Grade 11 Compulsory English credit. This course replaces ENG3C.

Prerequisites: ENG2D,ENG2P

NBE3E1-ENG:FIRSTNATION/METIS/INUIT VOICE, GRADE 11

ENGLISH, WORKPLACE

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

J. Clarke Richardson is one of the many schools across Ontario who have moved to offering Grade 11 students the NBE3E course as our Grade 11 Compulsory English credit. This course replaces ENG3E.

Prerequisites: ENG2D,ENG2P,LDCC

NBE3U1-ENG:FIRSTNATION/METIS/INUIT VOICE, GRADE 11

ENGLISH, UNIVERSITY

This course explores themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will analyse the changing use of text forms by Indigenous authors/creators from various periods and cultures in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course.

J. Clarke Richardson is one of the many schools across Ontario who have moved to offering Grade 11 students the NBE3U course as our Grade 11 Compulsory English credit. This course replaces ENG3U.

Prerequisites: ENG2D,ENG2D1

FRENCH AS A SECOND LANGUAGE

FSF3U1 - CORE FRENCH, GRADE 11

FRENCH AS A SECOND LANGUAGE, UNIVERSITY

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

Prerequisites: FSF2D,FSF2P

GUIDANCE AND CAREER EDUCATION

GPP3O1 - LEADERSHIP & PEER SUPPORT - JUNIOR LEADERSHIP, GRADE 11

GUIDANCE AND CAREER EDUCATION, OPEN

This course prepares students to act in leadership and peer support roles. They will design and implement a plan for contributing to their school and/or community; develop skills in communication, interpersonal relations, teamwork, and conflict management; and apply those skills in leadership and/or peer support roles – for example, as a student council member or a peer tutor. Students will examine group dynamics and learn the value of diversity within groups and communities.

Separate Student Profile to be Completed

Prerequisites: GLC2O1

SOCIAL SCIENCES AND HUMANITIES

HNC3C1 - UNDERSTANDING FASHION, GRADE 11

SOCIAL SCIENCES AND HUMANITIES, COLLEGE

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

Prerequisites: NONE

HPC3O1 - RAISING HEALTHY CHILDREN, GRADE 11

SOCIAL SCIENCES AND HUMANITIES, 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 caregiving and child rearing.

Prerequisites: NONE

HRT3M1 - WORLD RELIGIONS-BELIEFS/ISSUES, GRADE 11

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY/COLLEGE

This course provides students with opportunities to explore various world religions and belief traditions. Students will develop knowledge of the terms and concepts relevant to this area of study, will examine the ways in which religions and belief traditions meet various human needs, and will learn about the relationship between belief and action. They will examine sacred writings and teachings, consider how concepts of time and place influence different religions and belief traditions, and develop research and inquiry skills related to the study of human expressions of belief.

Prerequisites: NONE

HSG3M1 - GENDER STUDIES, GRADE 11

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY/COLLEGE

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

Prerequisites: NONE

HSP3C1 - INTRO:ANTHRO./PSYCH/SOC., GRADE 11

SOCIAL SCIENCES AND HUMANITIES, COLLEGE

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. Students will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.

Prerequisites: NONE

HSP3U1 - INTRO:ANTHRO./PSYCH/SOC., GRADE 11

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY

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.

Prerequisites: ENG2D,CHC2D

COMPUTER STUDIES

ICS3C1 - INTRO TO COMPUTER PROGRAMMING, GRADE 11

COMPUTER STUDIES, COLLEGE

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

Prerequisites: NONE

ICS3U1 - INTRO TO COMPUTER SCIENCE, GRADE 11

COMPUTER STUDIES, UNIVERSITY

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.

Prerequisites: NONE

INTERDISCIPLINARY STUDIES

IDC301 - INTERDISCIPLINARY STUDIES - JUNIOR MENTORSHIP, GRADE 11

INTERDISCIPLINARY STUDIES, OPEN

This course will help students combine the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Through individual and collaborative inquiry and research, students will analyse the connections among diverse subjects and disciplines; develop information literacy skills in analysing, selecting, evaluating, and communicating information; and become aware of a variety of resources and viewpoints on contemporary issues. They will also examine their own learning styles, relate their inquiries and research to real-life situations, and investigate career opportunities in new disciplines. The grade 11 Mentorship Course has been created to assist students in discovering and building upon their leadership qualities and guide them towards becoming mentors within the school and school community. Through a series of in class lessons, discussions, guest speakers, and activities, grade 11 students will learn to interact and empathize with younger students and to take on a mentorship role. The students will also have off site trips in order to interact with the grade 8 students from our feeder schools in order to build positive relationships and assist them with their transition into high school. Students that successfully complete this course, as well as the grade 12 Mentorship course, in addition to a series of Mentorship course specific volunteer hours, will receive a special Mentorship Certification at their graduation from J. Clarke Richardson Collegiate.

Prerequisites: GLC201

CLASSICAL AND INTERNATIONAL LANGUAGES

LWSCU1 - SPANISH-INTERNATIONAL LANGUAGES, GRADE 11

CLASSICAL AND INTERNATIONAL LANGUAGES, UNIVERSITY

This course offers students opportunities to further develop their knowledge of Spanish and to enhance their communication skills. Students will use increasingly sophisticated language in a variety of activities that will enable them to speak and write with clarity and accuracy. Students will also enhance their thinking skills through the critical study of literature, and continue to explore aspects of the culture of countries where the language is spoken through a variety of print and technological resources.

Prerequisites: LWSBD

MATHEMATICS

MBF3C1 - FOUNDATIONS FOR COLLEGE MATH, GRADE 11

MATHEMATICS, COLLEGE

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

Prerequisites: MFM2P,MPM2D

MCF3M1 - FUNCTIONS & APPLICATIONS, GRADE 11

MATHEMATICS, UNIVERSITY/COLLEGE

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

Prerequisites: MPM2D,MFM2P

MCR3U1 - FUNCTIONS, GRADE 11

MATHEMATICS, UNIVERSITY

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

Prerequisites: MPM2D

MEL3E1 - MATHEMATICS FOR EVERYDAY LIFE, GRADE 11

MATHEMATICS, WORKPLACE

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

Prerequisites: MPM1D,MFM1P,MAT2L

FIRST NATIONS, MÉTIS AND INUIT STUDIES

NBV3C1-VIEWS&ASP. FIRST NAT./METIS/INUIT, GRADE 11

FIRST NATIONS, MÉTIS AND INUIT STUDIES, COLLEGE

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

Prerequisites: NAC20,CHC2D,CHC2P

NDA3M1-FIRSTNATION/METIS/INUIT ISSUES, GRADE 11

FIRST NATIONS, MÉTIS AND INUIT STUDIES, UNIVERSITY

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

Prerequisites: NONE

HEALTH AND PHYSICAL EDUCATION

PAD301 - OUTDOOR ACTIVITIES - CO-ED, GRADE 11

HEALTH AND PHYSICAL EDUCATION, OPEN

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practice goal setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety. The curriculum for the Outdoor Activities course will be delivered through outdoor education activities (eg. Rock Climbing, High Ropes course, Skiing, Trust Games, Orienteering, Cycling, Hiking, Golf, etc.). Students will be expected to participate in outdoor activities for the majority of the course.

There is a course fee of approximately \$400 for activities and trips. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course. Students must wear their Richardson t-shirt and black shorts for this course.

Prerequisites: NONE

PAF303 - PERSONAL AND FITNESS ACTIVITIES - MALE, GRADE 11

HEALTH AND PHYSICAL EDUCATION, 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. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a male only course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PAF304 - PERSONAL AND FITNESS ACTIVITIES - FEMALE, GRADE 11

HEALTH AND PHYSICAL EDUCATION, 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. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a female only course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PAI30D - INDIVIDUAL&SMALL GRP ACTIVITIES - SHSM - SPORTS - COED, GRADE 11

HEALTH AND PHYSICAL EDUCATION, OPEN

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practice goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of positive relationships, mental health, and injury prevention, with a special focus on athletes. This course focuses on leadership development through a variety of activities and will provide the student with SHSM certifications in First Aid, CPR, AED (Automated Emergency Defibrillator) and WHIMIS training.

All students selecting this course must be committed to completing Sports Specialist High Skills Major Program. This course may also include a dual credit. Students can earn both a secondary school and college credit. The Dual Credit will be taught by a college faculty instructor. There are no costs associated with this course.

Prerequisites: NONE

PAL301 - LARGE GROUP ACTIVITIES - CO-ED, GRADE 11

HEALTH AND PHYSICAL EDUCATION, 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. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. The grade 11 Co-ed Sports Skill & Theory course is a continuation from the grade 10 course and will focus on Soccer, Basketball and Fitness as the vehicle through which students will attain the expectations. Students will investigate advanced tactics, strategies, and officiating rules of these three sports.

This is a co-ed course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PPL303 - HEALTHY ACTIVE LIVING EDUCATION - MALE, GRADE 11

HEALTH AND PHYSICAL EDUCATION, 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. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a male only course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PPL304 - HEALTHY ACTIVE LIVING EDUCATION - FEMALE, GRADE 11

HEALTH AND PHYSICAL EDUCATION, 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. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a female only course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

SCIENCE

SBI3C1 - BIOLOGY, GRADE 11

SCIENCE, COLLEGE

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.

Prerequisites: SNC2D,SNC2P

SBI3U1 - BIOLOGY, GRADE 11

SCIENCE, UNIVERSITY

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.

Prerequisites: SNC2D

SCH3U1 - CHEMISTRY, GRADE 11

SCIENCE, UNIVERSITY

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.

Prerequisites: SNC2D

SPH3U1 - PHYSICS, GRADE 11

SCIENCE, UNIVERSITY

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.

Prerequisites: SNC2D

SVN3E1 - ENVIRONMENTAL SCIENCE, GRADE 11

SCIENCE, WORKPLACE

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

Prerequisites: SNC1D, SNC1P, SNC1L, SNC2L

SVN3M1 - ENVIRONMENTAL SCIENCE, GRADE 11

SCIENCE, UNIVERSITY/COLLEGE

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.

Prerequisites: SNC2D,SNC2P

TECHNOLOGICAL EDUCATION

TEJ3M1 - COMP. ENGINEERING: ELECTRONICS, GRADE 11

TECHNOLOGICAL EDUCATION, UNIVERSITY/COLLEGE

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

Prerequisites: NONE

TER3M1 - COMPUTER ENGINEERING TECH:ROBOT, GRADE 11

TECHNOLOGICAL EDUCATION, UNIVERSITY/COLLEGE

This course examines computer systems and control of external devices with a special focus on robotic devices. Students will develop knowledge and hands-on skills on electronics (and components), CPUs and programming (with a focus on the C language). Students will program interfaces to control and/or respond to external inputs. To accomplish this, students will work with Arduinos and develop a hands-on project involving coding, electronics and troubleshooting

while learning about best design practices and honing their teamwork and leadership skills. Course expectations will be met through a special focus on robotics, including the building and programming of a robotic device of their choice. Students will develop an awareness of related environmental and societal issues, and will learn about college and

university career programs in computer engineering technology.

ICS201 is recommended. Students are given the option to purchase an Arduino board to complete their project.

Prerequisites: NONE

TFB3E1 - HOSPITALITY AND TOURISM:BAKING, GRADE 11

TECHNOLOGICAL EDUCATION, WORKPLACE

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service

principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry.

Prerequisites: NONE

TFC3E1 - HOSPITALITY AND TOURISM:COOKING, GRADE 11

TECHNOLOGICAL EDUCATION, WORKPLACE

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

practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

Prerequisites: NONE

TGG3M1 - COMM. TECH:PRINT/GRAPHIC - SKATEBOARD DESIGN, GRADE 11

TECHNOLOGICAL EDUCATION, UNIVERSITY/COLLEGE

Student taking this course will leave with a custom designed street deck and Gildan t-shirt once course enhancement fee is paid. This course will enable students to further develop media knowledge and skills while designing and producing projects in the area of graphic communications related to the skateboarding culture and lifestyle. Students will learn design and design software, photography, marketing, and advertising. It will focus on graphic arts, including publishing creative designs, management of workflow, and hands-on application of digital printing, vinyl, and heat press applications.

There is a \$50 course enhancement fee associated with this course. Students will be given the option of joining the Information & Communications Technology SHSM. The SHSM–Information and Communications Technology enables students to build a foundation of sector-focused knowledge and skills before graduating and entering apprenticeship training, college, university, or an entry-level position in the workplace directly related to this field.

Prerequisites: NONE

TGJ3M1 - COMMUNICATIONS TECHNOLOGY, GRADE 11

TECHNOLOGICAL EDUCATION, 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.

Students will be given the option of joining the Information & Communications Technology SHSM. The SHSM– Information and Communications Technology enables students to build a foundation of sector-focused knowledge and skills before graduating and entering apprenticeship training, college, university, or an entry-level position in the workplace directly related to this field.

Prerequisites: NONE

TTJ3C1 - TRANSPORTATION TECHNOLOGY, GRADE 11

TECHNOLOGICAL EDUCATION, COLLEGE

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

Prerequisites: NONE

TTJ3CJ - TRANSPORTATION TECHNOLOGY - WOMEN IN TRADES, GRADE 11

TECHNOLOGICAL EDUCATION, COLLEGE

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

This general interest course enables female students to become familiar with general knowledge of basic maintenance and repair procedures, while learning the responsibility of being a vehicle owner. Students will also learn how to use general hand tools while learning about vehicle maintenance and emergency procedures. Student projects may include checking levels and wearable parts under the hood, bulb replacement, windshield wiper replacement, tire inspection, rotating tires, and changing a flat tire. These skills are highly transferable to other subject areas and it will help students build their knowledge, their confidence, and their drive to be successful

Prerequisites: NONE

TWJ3E1 - CUSTOM WOODWORKING, GRADE 11

TECHNOLOGICAL EDUCATION, 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, postsecondary training, and career opportunities in the field that may be pursued directly after graduation.

This course has an option for students to pay for upgraded project materials

Prerequisites: NONE

TXJ3E1 - HAIRSTYLING AND AESTHETICS, GRADE 11

TECHNOLOGICAL EDUCATION, WORKPLACE

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

Prerequisites: NONE

GRADE 12

ARTS

ADA4M1 - DRAMATIC ARTS, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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

Prerequisites: ADA3M,ADA3O

ADB4M1 - DRAMATIC ARTS - MUSIC THEATRE, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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

personal skills, social awareness, and goals beyond secondary school.

This is a two credit course. Students will earn both a ADB4M1 credit and a AMU4M1 credit in this course. Interview/Audition required. This class will produce a school musical in conjunction with the Music Theatre

Instrumental Class, the Visual Arts Stage Design class and the Production class. STUDENTS MAY ONLY CHOOSE ONE OF

ADB4M1 OR ADD4M1 OR AWJ4M1 OR AMT4M1, AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a course fee of \$60 for 4 tickets to the musical.

Prerequisites: ADB3M1,ADA3M1

ADD4M1 - DRAMATIC ARTS - PRODUCTION - MUSIC THEATRE, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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

performance. Students will learn the dynamics of stage management, lighting, sound, and special effects, as well as develop and apply promotional and fund raising strategies for the school musical and other theatre productions.

Application/Interview required. STUDENTS MAY ONLY CHOOSE ONE OF THE MUSICAL PRODUCTION CLASSES AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a course fee of \$60 for 4 tickets to the musical.

Prerequisites: ADD3M,ADD3M1

AMG4M1 - GUITAR MUSIC, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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

Prerequisites: AMG3M

AMI4M1 - INSTRUMENTAL MUSIC - BAND, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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

Prerequisites: AMI3M

AMT4M1 - MUSIC THEATRE - INSTRUMENTAL PERFORMANCE, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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

personal skills, social awareness, and goals beyond secondary school.

Interview/Audition required. STUDENTS MAY ONLY CHOOSE ONE OF ADB4M1 OR ADD4M1 OR AWJ4M1 OR AMT4M1, AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a \$10 fee for the purchase of a music theory notebook and a course fee of \$60 for 4 tickets to the musical.

Prerequisites: AMT3M1,AMI3M1,AMG3M1

AMU4M1 - MUSIC - MUSIC THEATRE - VOCAL/CHORAL PERFORMANCE, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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 class will produce a school musical in conjunction with the Music Theatre Instrumental Class, the Visual Arts Stage Design Class and the Production Class. You are asked to pay a fee of \$60 for 4 tickets to the musical.

Prerequisites: AMU3M,AMU3O,AMV3M1,AMV3M

AMV4M1 - MUSIC - VOCAL/CHORAL, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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

Prerequisites: AMV3M

ASM4M1 - MEDIA ARTS - YEARBOOK DESIGN - SEMESTER 1, GRADE 12

ARTS, UNIVERSITY/COLLEGE

This course emphasizes the refinement of media arts skills through the creation of a thematic body of work by applying traditional and emerging technologies, tools, and techniques such as multimedia, computer animation, installation art, and performance art. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in either career or postsecondary education applications. Students will critically analyse the role of media artists in shaping audience perceptions of identity, culture, and community values. This course builds on students' previous experience and knowledge of (ASM3M1) yearbook publication. However, they

will develop advanced digital photography, layout & composition skills, and leadership skills.

Prerequisites: ASM3M,AVI3M,TGJ3M1

ATC4M1 - DANCE, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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.

Prerequisites: ATC3M,ATC3O

AVI4M1 - VISUAL ARTS, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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.

Prerequisites: AVI3M,AVI3O

AWJ4M1 - VISUAL ARTS - MUSIC THEATRE - STAGE DESIGN PART 1, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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

design. Students will have a chance to apply their own creative solutions to resolving design challenges unique to stage design. This course provides students the opportunity to focus on the importance of documenting their design process through the use of a design journal and portfolio. They will develop both their individual and collective identities as they explore the world of theatre design, learn to respect the theatre protocols and understand the interconnected roles of

the theatre design team, directors, cast and crew.

Interview/Audition required. STUDENTS MAY ONLY CHOOSE ONE OF ADB4M1 OR ADD3M1 OR AWJ4M1 OR AMT4M1, AS THESE CLASSES ARE TAUGHT AT THE SAME TIME. There is a course fee of \$60 for 4 tickets to the musical.

Prerequisites: AWJ3M1

AWM4M1 - VISUAL ARTS-DRAWING & PAINTING - PORTFOLIO DESIGN, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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.

The purpose of this course is to build upon drawing and painting skills learned in grades 11 Visual Art. Students will be able to develop ideas, using the creative process and build a portfolio that can be used to apply to university/college programs. This course is intended for those students who have an interest in pursuing Visual Arts in post-secondary or some aspect of their career.

Course enhancement fee is \$20 for an art kit. This art kit includes the basics for completing the assignments in this course. Other enrichment tools may be required based on the individuals progress and focus in the course.

Prerequisites: AWM3M1,AVI3M1,AWJ3M1,TGJ3M1,ASM3M1,AWP4M1

AWP4M1 - VISUAL ARTS - MUSIC THEATRE - STAGE DESIGN PART 2, GRADE 12

ARTS, UNIVERSITY/COLLEGE

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. Note: This course provides students with opportunities to further develop their skills and knowledge in visual arts. Students will create a number of prop and scenery pieces for the school musical using various non-traditional sculpture techniques. Students will get a chance to work in a team and learn how to confront and solve

various technical challenges unique to three-dimensional art production.

If you take this course, you must also take AWJ4M1 - Visual Arts - Music Theatre - Stage Design Part

Prerequisites: AWP3M1

AWQ4M1 - VISUAL ARTS - PHOTOGRAPHY - YEARBOOK DESIGN PART TWO, GRADE 12

ARTS, UNIVERSITY/COLLEGE

This course will focus on the refinement of skills and knowledge in photography. Students will analyse different photographic art forms and increase their understanding of changes in Western and Canadian Art and art form from around the world. Students will produce a portfolio that highlights their skill in photography as a visual art form. Emphasis will be on the demonstration of a personal style and approach to photography. Emphasis will also be placed on the different forms of photography; traditional and digital through thematic work to reflect a mastery of technique and skill. This is an advanced course for students who would like to further, develop their photographic practice. Through the course, students will strengthen their shooting skills, explore experimental digital editing techniques and expand their artistic expression. This course will also focus on the use of Photoshop as an essential tool in the photographic arts. Assignments range from technical skill building to creative problem solving. Students will create a range of photographic images drawing upon personal experience and community. They will be examining historical and cultural contexts of digital photographic arts, and analyzing photographs. Emphasis in this course is on developing unique creative and personal expression through the photographic medium. Highly recommended TGJ201 and or TGJ3M1.

Prerequisites: AWQ3M, TGJ3M1

BUSINESS

BAT4M1 - FINANCIAL ACCOUNTING PRINC., GRADE 12

BUSINESS STUDIES, UNIVERSITY/COLLEGE

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

Prerequisites: BAF3M

BBB4M1 - INTERNATIONAL BUSINESS FUND., GRADE 12

BUSINESS STUDIES, UNIVERSITY/COLLEGE

This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing, and management.

Prerequisites: NONE

BOH4M1 - BUSINESS LEADERSHIP-MGT. FUND., GRADE 12

BUSINESS STUDIES, 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 are also emphasized.

Prerequisites: NONE

CANADIAN AND WORLD STUDIES

CGW4U1 - WORLD ISSUES: GEOG. ANALYSIS, GRADE 12

CANADIAN AND WORLD STUDIES, UNIVERSITY

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

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG4U, HNB4M,HFC3M,HFA4U,HHS4U,HHG4M,HSP3U,HSB4U,HZB3M,HZT4U,HRT3M,HSE4M,HSG3M,HSC4M,NBE3U

CHM4E1 - ADVENTURES IN WORLD HISTORY, GRADE 12

CANADIAN AND WORLD STUDIES, WORKPLACE

This course examines significant developments and events in world history from earliest times to the present. Students will explore a variety of social, cultural, economic, and political developments in different regions of the world and during different periods. In addition to investigating how conflict, religion, work, and technology have helped shape people's lives, students will examine the contributions of some significant individuals to our global heritage. Students will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating a variety of human experiences in world history.

Prerequisites: CHC2D,CHC2P

CHY4U1 - WORLD HIST. SINCE 15TH CENTURY, GRADE 12

CANADIAN AND WORLD STUDIES, UNIVERSITY

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

Prerequisites: CIE3M, CGD3M, CGF3M, CHA3U, CHW3M, CLU3M, CIA4U, CGW4U, CGU4M, CGR4M, CGO4M, CHI4U, CHY4U, CLN4U, CPW4U, ENG3U, ENG4U, HNB4M, HFC3M, HFA4U, HHS4U, HHG4M, HSP3U, HSB4U, HZB3M, HZT4U, HRT3M, HSE4M, HSG3M, HSC4M

CIA4U1 - ANALYSING CURRENT ECONOMIC ISS., GRADE 12

CANADIAN AND WORLD STUDIES, UNIVERSITY

This course examines current Canadian and international economic issues, developments, policies, and practices from diverse perspectives. Students will explore the decisions that individuals and institutions, including governments, make in response to economic issues such as globalization, trade agreements, economic inequalities, regulation, and public spending. Students will apply the concepts of economic thinking and the economic inquiry process, as well as economic models and theories, to investigate, and develop informed opinions about, economic trade-offs, growth, and sustainability and related economic issues.

Prerequisites: CIE3M, CGD3M, CGF3M, CHA3U, CHW3M, CLU3M, CIA4U, CGW4U, CGU4M, CGR4M, CGO4M, CHI4U, CHY4U, CLN4U, CPW4U, ENG3U, ENG4U, HNB4M, HFC3M, HFA4U, HHS4U, HHG4M, HSP3U, HSB4U, HZB3M, HZT4U, HRT3M, HSE4M, HSG3M, HSC4M

CLN4U1 - CANADIAN & INTERNATIONAL LAW, GRADE 12

CANADIAN AND WORLD STUDIES, UNIVERSITY

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

Prerequisites:

CIE3M, CGD3M, CGF3M, CHA3U, CHW3M, CLU3M, CIA4U, CGW4U, CGU4M, CGR4M, CGO4M, CHI4U, CHY4U, CLN4U, CPW4U, ENG3U, ENG4U, HNB4M, HFC3M, HFA4U, HHS4U, HHG4M, HSP3U, HSB4U, HZB3M, HZT4U, HRT3M, HSE4M, HSG3M, HSC4M, NBE3U

CPW4U1 - CANADIAN & WORLD POLITICS, GRADE 12

CANADIAN AND WORLD STUDIES, UNIVERSITY

This course explores various perspectives on issues in Canadian and world politics. Students will explore political decision making and ways in which individuals, stakeholder groups, and various institutions, including governments, multinational corporations, and non-governmental organizations, respond to and work to address domestic and international issues. Students will apply the concepts of political thinking and the political inquiry process to investigate issues, events, and developments of national and international political importance, and to develop and communicate informed opinions about them.

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,ENG3U,ENG4U,HN4M,HFC3M,HFA4U,HHS4U,HHG4M,HSP3U,HSB4U,HZB3M,HZT4U,HRT3M,HSE4M,HSG3M,HSC4M

COOPERATIVE EDUCATION

CWE4O9 - CO-OPERATIVE EDUCATION (4 CREDIT CO-OP AND OYAP), GRADE 12

COOPERATIVE EDUCATION, OPEN

This course provides students with the opportunity to acquire practical work experience spending the entire day out of school while earning four credits towards their diploma. Student's learning opportunities at the placement are linked to the student's academic studies, education plan, and their personal goals and abilities. This learning experience helps students make informed decisions about future careers. Students also develop the work habits, attitudes and job skills necessary for a successful transition from secondary school to the workplace or post-secondary education. Students interested in the Ontario Youth Apprenticeship Program (OYAP) should select this course. Students will have to participate in an interview with a cooperative education teacher as well as potential employer(s). For the OYAP Program this is a multi step application. Student might be asked to discuss attendance and academic success in interview. Students will be seen as an employee, as such they should commit to continued excellent attendance.

Additional information about the OYAP program is available at www.oyap.com.

Prerequisites: NONE

ENGLISH

ENG4C1 - ENGLISH, GRADE 12

ENGLISH, COLLEGE

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

Prerequisites: ENG3C,ENG3U,NBE3C,NBE3U

ENG4E1 - ENGLISH, GRADE 12

ENGLISH, WORKPLACE

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

Prerequisites: ENG3E,ESLDO,NBE3E

ENG4U1 - ENGLISH, GRADE 12

ENGLISH, UNIVERSITY

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

Prerequisites: ENG3U,NBE3U

ETS4U1 - STUDIES IN LITERATURE, GRADE 12

ENGLISH, UNIVERSITY

This course is for students with a special interest in literature and literary criticism. The course may focus on themes, genres, time periods, or countries. Students will analyse a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project. In this course students will be exploring possible professional pathways in English. Possible topics might include scriptwriting, marketing, film making, journalism, publishing, reviewing, speech writing, blogging and news media.

Prerequisites: ENG3U

EWC4C1 - THE WRITERS CRAFT, GRADE 12

ENGLISH, 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.

Prerequisites: ENG3C,NBE3U,NBE3C

EWC4U1 - THE WRITERS CRAFT, GRADE 12

ENGLISH, UNIVERSITY

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

Prerequisites: ENG3U,NBE3U

FRENCH AS A SECOND LANGUAGE

FSF4U1 - CORE FRENCH, GRADE 12

FRENCH AS A SECOND LANGUAGE, UNIVERSITY

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

Prerequisites: FSF3U

SOCIAL SCIENCES AND HUMANITIES

HHG4M1 - HUMAN DEVELOPMENT, GRADE 12

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY/COLLEGE

This course offers a multidisciplinary approach to the study of human development throughout the lifespan. Students will learn about a range of theoretical perspectives on human development. They will examine threats to healthy development as well as protective factors that promote resilience. Students will learn about physical, cognitive, and social-emotional development from the prenatal period through old age and will develop their research and inquiry skills by investigating issues related to human development.

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG3C,ENG4U,ENG4C,HNB4M,HFC3M,HFA4U,HHS4U,HSP3U,HSB4U,HZB3M,HZT4U,HRT3M,HSE4M,HSG3M,HSC4M,CGW4C,CHY4C,CLN4C,HNC3C,HFA4C,HHS4C,HPW3C,HPD4C,HSP3C

HHS4C1 - FAMILIES IN CANADA, GRADE 12

SOCIAL SCIENCES AND HUMANITIES, COLLEGE

This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada.

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG3C,ENG4U,ENG4C,HNB4M,HFC3M,HFA4U,HHS4U,HHG4M,HSP3U,HSB4U,HZB3M,HZT4U,HRT3M,HSE4M,HSG3M,HSC4M,CGW4C,CHY4C,CLN4C,HNC3C,HFA4C,HPW3C,HPD4C,HSP3C,NBE3U,NBE3C,NBE3C

HHS4U1 - FAMILIES IN CANADA, GRADE 12

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY

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.

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG4U,HNB4M,HFC3M,HFA4U,HHG4M,HSP3U,HSB4U,HZB3M,HZT4U,HRT3M,HSE4M,HSG3M,HSC4M,NBE3U,NBE3C

HNB4M1 - THE WORLD OF FASHION, GRADE 12

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY/COLLEGE

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.

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG3C,ENG4U,ENG4C,HFC3M,HFA4U,HHS4U,HHG4M,HSP3U,HSB4U,HZB3M,HZT4U,HRT3M,HSE4M,HSG3M,HSC4M,CGW4C,CHY4C,CLN4C,HNC3C,HFA4C,HHS4C,HPW3C,HPD4C,HSP3C

HPD4C1 - WORKING W/SCHOOL AGE CHILDREN, GRADE 12

SOCIAL SCIENCES AND HUMANITIES, COLLEGE

This course prepares students for occupations involving school-age children and adolescents. Students will study a variety of theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with older children. Students will become familiar with occupational opportunities and requirements related to working with older children and adolescents. They will develop research skills used in investigating child and adolescent behaviour and development.

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG3C,ENG4U,ENG4C,HNB4M,HFC3M,HFA4U,HHS4U,HHG4M,HSP3U,HSB4U,HZB3M,HZT4U,HRT3M,HSE4M,HSG3M,HSC4M,CGW4C,CHY4C,CLN4C,HNC3C,HFA4C,HHS4C,HPW3C,HSP3C

HSB4U1 - CHALLENGE & CHANGE IN SOCIETY, GRADE 12

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY

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.

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG4U,HNB4M,HFC3M,HFA4U,HHS4U,HHG4M,HSP3U,HZB3M,HZT4U,HRT3M,HSE4M,HSG3M,HSC4M,NBE3U,NBE3C

HSC4M1 - WORLD CULTURES - BLACK STUDIES, GRADE 12

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY/COLLEGE

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

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG3C,ENG4U,ENG4C,HNB4M,HFC3M,HFA4U,HHS4U,HHG4M,HSP3U,HSB4U,HZB3M,HZT4U,HRT3M,HSE4M,HSG3M,CGW4C,CHY4C,CLN4C,HNC3C,HFA4C,HHS4C,HPW3C,HPD4C,HSP3C

HSE4M1 - EQUITY & SOCIAL JUSTICE -THEORY, GRADE 12

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY/COLLEGE

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

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG3C,ENG4U,ENG4C,HNB4M,HFC3M,HFA4U,HHS4U,HHG4M,HSP3U,HSB4U,HZB3M,HZT4U,HRT3M,HSG3M,HSC4M,CGW4C,CHY4C,CLN4C,HNC3C,HFA4C,HHS4C,HPW3C,HPD4C,HSP3C

HZT4U1 - PHILOSOPHY:QUESTIONS & THEORIES, GRADE 12

SOCIAL SCIENCES AND HUMANITIES, UNIVERSITY

This course enables students to acquire an understanding of the nature of philosophy and philosophical reasoning skills and to develop and apply their knowledge and skills while exploring specialized branches of philosophy (the course will cover at least three of the following branches: metaphysics, ethics, epistemology, philosophy of science, social and political philosophy, aesthetics). Students will develop critical thinking and philosophical reasoning skills as they formulate and evaluate arguments related to a variety of philosophical questions and theories. They will also develop research and inquiry skills related to the study and practice of philosophy.

Prerequisites:

CIE3M,CGD3M,CGF3M,CHA3U,CHW3M,CLU3M,CIA4U,CGW4U,CGU4M,CGR4M,CGO4M,CHI4U,CHY4U,CLN4U,CPW4U,ENG3U,ENG4U,HNB4M,HFC3M,HFA4U,HHS4U,HHG4M,HSP3U,HSB4U,HZB3M,HRT3M,HSE4M,HSG3M,HSC4M,NBE3U,NBE3C

COMPUTER STUDIES

ICS4U1 - COMPUTER SCIENCE, GRADE 12

COMPUTER STUDIES, UNIVERSITY

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

Prerequisites: ICS3U

INTERDISCIPLINARY STUDIES

IDC4U1 - INTERDISCIPLINARY STUDIES - SENIOR MENTORSHIP, GRADE 12

INTERDISCIPLINARY STUDIES, UNIVERSITY

This course further develops the knowledge that was acquired in the grade 11 mentorship course and actually implements it into practice. The mentors will go through an orientation and training process and then they will be responsible for mentoring a group of incoming grade nines. The course will only run for one semester, however students are expected to commit to a full year of mentoring in order to receive a certificate of completion for the mentorship program. The goal of the mentors is to provide each grade nine with a supportive environment that helps to ease the adjustment from elementary school to high school. The mentors will help the grade nines become familiar with things such as the physical layout of the school, policies, procedures, programs, sports teams, clubs and traditions. They will also focus on the personal, social and academic growth of each grade nine as they build a trusting relationship over the school year. Classwork will focus on providing the mentors with the framework needed to guide them through the mentoring process. The mentors will not only be making an impact in the lives of other students, but they too will grow as a person in many positive ways and in the end they will have a toolbox of various strategies that they can use when faced with any difficult mentoring situation. It is recommended that students take the grade 11 Mentorship Course IDC3O1 or the Leadership Course GPP3O1 in advance in order to have a background in leadership, however it is not mandatory. Units of Study: Leadership skills; public speaking and communication; special event planning; demonstrating respect for self and others; business leadership concepts and an independent study unit. This course will help students develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to analyse historical innovations and exemplary research; and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will also assess their own cognitive and affective strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge.

Prerequisites:

ADA3M,ADA4M,ADP3M,ADP3MZ,ADP4M,AMI3M1,AMI4M,AMK3M,AMR4M,AMV3M,AMV4M,ATC3M,ATC4M,AVI3M,AVI4M,AWD3M,AWD4M,AWQ3M,AWE4M,AWQ4M,BAF3M,BAT4M,BBB4M,BOH4M,CGW4U,CHI4U,CHW3M,CHY4U,CIA4U,CIE3M,CLN4U,CLU3M,ENG3U,ENG4U,ETS4U,FSF3U,FSF4U,HFA4U,HFC3M,HHG4M,HSE4M,HSP3U,H

IDC4UJ - INTERDISCIPLINARY STUDIES - FILM STUDIES, GRADE 12

INTERDISCIPLINARY STUDIES, UNIVERSITY

This course will help students develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to analyse historical innovations and exemplary research; and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will also assess their own cognitive and affective strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources, and to analyze historical innovations in film. They will also assess their own cognitive and affective strategies, analyze the intended meaning and the negotiated meaning of a media text, apply general skills in both familiar and new contexts, and deconstruct media products within historical, theoretical, thematic and ideological frameworks.

Prerequisites:

ADA3M,ADA4M,ADP3M,ADP3MZ,ADP4M,AMI3M1,AMI4M,AMK3M,AMR4M,AMV3M,AMV4M,ATC3M,ATC4M,AVI3M,AVI4M,AWD3M,AWD4M,AWQ3M,AWE4M,AWQ4M,BAF3M,BAT4M,BBB4M,BOH4M,CGW4U,CHI4U,CHW3M,CHY4U,CIA4U,CIE3M,CLN4U,CLU3M,ENG3U,ENG4U,ETS4U,FSF3U,FSF4U,HFA4U,HFC3M,HHG4M,HSE4M,HSP3U,H

CLASSICAL AND INTERNATIONAL LANGUAGES

LWSDU1 - SPANISH-INTERNATIONAL LANGUAGES, GRADE 12

CLASSICAL AND INTERNATIONAL LANGUAGES, UNIVERSITY

This course prepares students for university studies in Spanish. Students will enhance their ability to use the language with clarity and precision, and will develop the language skill needed to engage in sustained conversations and discussions, understand and evaluate information, read diverse materials for both study and pleasure, and write clearly and effectively. Students will also have opportunities to add to their knowledge of the culture of countries where the language is spoken through the use of community resources and computer technology.

Prerequisites: LWSCU

MATHEMATICS

MAP4C1 - FOUNDATIONS FOR COLLEGE MATH, GRADE 12

MATHEMATICS, COLLEGE

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.

Prerequisites: MBF3C,MCF3M

MCT4C1 - MATHEMATICS FOR COLLEGE TECH., GRADE 12

MATHEMATICS, COLLEGE

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 mult

Prerequisites: MCF3M,MCR3U

MCV4U1 - CALCULUS AND VECTORS, GRADE 12

MATHEMATICS, UNIVERSITY

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 threedimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.

Prerequisites: NONE

MDM4U1 - MATHEMATICS OF DATA MANAGEMENT, GRADE 12

MATHEMATICS, UNIVERSITY

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.

Prerequisites: MCR3U,MCF3M

MEL4E1 - MATHEMATICS FOR EVERYDAY LIFE, GRADE 12

MATHEMATICS, WORKPLACE

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.

Prerequisites: MEL3E

MHF4U1 - ADVANCED FUNCTIONS, GRADE 12

MATHEMATICS, UNIVERSITY

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.

Prerequisites: MCR3U, MCT4C

FIRST NATIONS, MÉTIS AND INUIT STUDIES

NDW4M1-CONTEMPORARY INDIGENOUS ISSUES, GRADE 12

FIRST NATIONS, MÉTIS AND INUIT STUDIES, UNIVERSITY/COLLEGE

This course examines global issues from the perspectives of Indigenous peoples. Students will explore the depth and diversity of Indigenous cultures, traditions, and knowledge. Students will consider how diverse Indigenous communities persevere despite current global environmental and economic trends, and will investigate topics such as identity, social justice, human rights and abuses, spirituality, resilience, and advocacy for change.

Prerequisites:

NBE3U, NBE3C, NBE3E, NDA3M, NBV3C, NBV3E, HNC3C, HFC3M, HPW3C, HSP3U, HSP3C, HZB3M, HRT3M, HSG3M, CIE3M, CGD3M, CGF3M, CHA3U, CHW3M, CLU3M

HEALTH AND PHYSICAL EDUCATION

PAD401 - OUTDOOR ACTIVITIES - CO-ED, GRADE 12

HEALTH AND PHYSICAL EDUCATION, OPEN

This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students' interests throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others. The curriculum for the Outdoor Activities course will be delivered through outdoor education activities

(eg. Rock Climbing, High Ropes course, Skiing, Trust Games, Orienteering, Cycling, Hiking, Golf, etc.). Students will be expected to participate in outdoor activities for the majority of the course.

There is a course fee of approximately \$400 for activities and trips. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course. Students must wear their Richardson t-shirt and black shorts for this course.

Prerequisites: NONE

PAF401 - PERSONAL AND FITNESS ACTIVITIES - CO-ED, GRADE 12

HEALTH AND PHYSICAL EDUCATION, 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 participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a co-ed course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Prerequisites: NONE

PPL401 - HEALTHY ACTIVE LIVING EDUCATION - COED, GRADE 12

HEALTH AND PHYSICAL EDUCATION, 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 participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively

This is a co-ed course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Students taking this course MAY NOT take PPL403 or PPL404 as these are the SAME credit.

Prerequisites: NONE

PPL403 - HEALTHY ACTIVE LIVING EDUCATION, GRADE 12

HEALTH AND PHYSICAL EDUCATION, 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 participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively

This is a male only course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Students taking this course MAY NOT take PPL401 as this is the SAME credit.

Prerequisites: NONE

PPL404 - HEALTHY ACTIVE LIVING EDUCATION, GRADE 12

HEALTH AND PHYSICAL EDUCATION, 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 participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

This is a female only course. Students must wear their Richardson t-shirt and black shorts for this course. It is the responsibility of parent(s)/guardian(s) to notify the principal in writing if they wish the student to be exempted from the Human Development and Sexual Health portion of the course.

Students taking this course MAY NOT take PPL401 as this is the SAME credit.

Prerequisites: NONE

PSK4U1 - INTRODUCTION TO KINESIOLOGY, GRADE 12

HEALTH AND PHYSICAL EDUCATION, UNIVERSITY

This course focuses on the study of human movement and of systems, factors and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration.

Prerequisites: SBI3U,SCH3U,SPH3U,SNC3M,PPL30,PPZ3C,PPL40

SCIENCE

SBI4U1 - BIOLOGY, GRADE 12

SCIENCE, UNIVERSITY

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.

Prerequisites: SBI3U

SCH4C1 - CHEMISTRY, GRADE 12

SCIENCE, COLLEGE

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.

Prerequisites: SNC2D,SNC2P

SCH4U1 - CHEMISTRY, GRADE 12

SCIENCE, UNIVERSITY

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.

Prerequisites: SCH3U

SES4U1 - EARTH & SPACE SCIENCE, GRADE 12

SCIENCE, UNIVERSITY

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

Prerequisites: SNC2D

SNC4E1 - SCIENCE, GRADE 12

SCIENCE, WORKPLACE

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

Prerequisites: SNC2P,SNC2L

SNC4M1 - SCIENCE, GRADE 12

SCIENCE, UNIVERSITY/COLLEGE

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

Prerequisites: SNC2D,SBI3C,SBI3U,SCH3U,SPH3U,SVN3M

SPH4C1 - PHYSICS, GRADE 12

SCIENCE, COLLEGE

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.

Prerequisites: SNC2D,SNC2P

SPH4U1 - PHYSICS, GRADE 12

SCIENCE, UNIVERSITY

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

Prerequisites: SPH3U

GRADE 12 STUDY HALL

STUDY0 - STUDY IN SEMESTER 1 OR SEMESTER 2, GRADE 12

STUDY HALL/SPARE, OPEN

Students with a minimum of 24 credits by the end of Grade 11 are eligible for 1 spare per semester.

Students must have at least 3 courses per semester.

Prerequisites: ENG3E1,ENG3C1,ENG3U1

STUDY1 - STUDY HALL/SPARE SEMESTER 1, GRADE 12

STUDY HALL/SPARE, OPEN

Students with a minimum of 24 credits by the end of Grade 11 are eligible for 1 spare per semester.

Students must have at least 3 courses per semester.

Prerequisites: ENG3E1,ENG3C1,ENG3U1

STUDY2 - STUDY HALL/SPARE SEMESTER TWO, GRADE 12

STUDY HALL/SPARE, OPEN

Students with a minimum of 24 credits by the end of Grade 11 are eligible for 1 spare per semester.

Prerequisites: ENG3E1,ENG3U1,ENG3C1

STUDY3 - GRADE 12 STUDENTS RETURNING FIRST SEMESTER ONLY, GRADE 12

STUDY HALL/SPARE, OPEN

Students will not be scheduled for any courses Semester Two.

Prerequisites:

TECHNOLOGICAL EDUCATION

TEJ4M1 - COMP. ENGINEERING: ELECTRONICS, GRADE 12

TECHNOLOGICAL EDUCATION, UNIVERSITY/COLLEGE

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

Prerequisites: TEJ3M

TER4M1 - COMPUTER ENGINEERING TECH:ROBOT, GRADE 12

TECHNOLOGICAL EDUCATION, UNIVERSITY/COLLEGE

This course examines computer systems and control of external devices with a special focus on robotic devices. Students will develop knowledge and hands-on skills on electronics (and components), CPUs and programming (with a focus on the C language). Students will program interfaces to control and/or respond to external inputs. To accomplish this, students will work with Arduinos and develop a hands-on project involving coding, electronics and troubleshooting while learning about best design practices and honing their teamwork and leadership skills. Course expectations will be met through a special focus on robotics, including the building and programming of a robotic device of their choice. Students will develop an awareness of related environmental and societal issues, and will learn about college and

university career programs in computer engineering technology.

ICS201 is recommended. Students are given the option to purchase an Arduino board to complete their project.

Prerequisites: TER3M

TFB4E1 - HOSPITALITY AND TOURISM:BAKING, GRADE 12

TECHNOLOGICAL EDUCATION, WORKPLACE

This course enables students to further develop knowledge and skills related to the various sectors of the tourism industry. Students will demonstrate advanced food preparation and presentation skills; increase health and wellness knowledge; develop tourism administration and management skills; design and implement a variety of events or activities; and investigate principles and procedures that contribute to high-quality customer service. Students will

expand their awareness of health and safety issues, environmental and societal issues, and career opportunities in the

tourism industry.

Prerequisites: TFB3E1

TFC4E1 - HOSPITALITY AND TOURISM:COOKING, GRADE 12

TECHNOLOGICAL EDUCATION, WORKPLACE

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

Prerequisites: TFC3E1

TGJ4M1 - COMMUNICATIONS TECHNOLOGY, GRADE 12

TECHNOLOGICAL EDUCATION, UNIVERSITY/COLLEGE

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.

Students will be given the option of joining the Information & Communications Technology SHSM. The SHSM–Information and Communications Technology enables students to build a foundation of sector-focused knowledge and skills before graduating and entering apprenticeship training, college, university, or an entry-level

position in the workplace directly related to this field.

Prerequisites: TGJ3M

TTJ4C1 - TRANSPORTATION TECHNOLOGY, GRADE 12

TECHNOLOGICAL EDUCATION, COLLEGE

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

Prerequisites: TTJ3C

TWJ4E1 - CUSTOM WOODWORKING, GRADE 12

TECHNOLOGICAL EDUCATION, WORKPLACE

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.

This course has an option for students to pay for upgraded project materials

Prerequisites: TWJ3E

TXJ4E1 - HAIRSTYLING AND AESTHETICS, GRADE 12

TECHNOLOGICAL EDUCATION, WORKPLACE

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

Prerequisites: TXJ3E

SYNCHRONOUS VIRTUAL

ARTS

AVI10N - VISUAL ARTS, GRADE 9

SYNCHRONOUS VIRTUAL, 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 analysis processes and will interpret art within a personal, contemporary, and historical context

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

AVI20N - VISUAL ARTS, GRADE 10

SYNCHRONOUS VIRTUAL, 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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

BUSINESS STUDIES

BBI20N - INTRODUCTION TO BUSINESS, GRADE 10

SYNCHRONOUS VIRTUAL, 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 of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

BTT10N - INTRO. TO INFO TECH IN BUSINESS, GRADE 9

SYNCHRONOUS VIRTUAL, 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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

CANADIAN AND WORLD STUDIES

CGC1DN - ISSUES IN CANADIAN GEOGRAPHY, GRADE 9

SYNCHRONOUS VIRTUAL, 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 in which to live.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

CHC2DN - CANADIAN HISTORY SINCE WWI, GRADE 10

SYNCHRONOUS VIRTUAL, ACADEMIC

This course explores social, economic, and political developments and events and their impact on the lives of different individuals, groups, and communities, including First Nations, Métis, and Inuit individuals and communities, in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on identities, citizenship, and heritage in Canada. Students will develop an understanding of some of the political developments and government policies that have had a lasting impact on First Nations, Métis, and Inuit individuals and communities. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

CHC2PN - CANADIAN HISTORY SINCE WWI, GRADE 10

SYNCHRONOUS VIRTUAL, APPLIED

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada, including First Nations, Métis, and Inuit individuals and communities, since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to heritage and identities in Canada. Students will develop an understanding of some key political developments and government policies that have had an impact on First Nations, Métis, and Inuit individuals and communities. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

CHV20N - CIVICS AND CITIZENSHIP, GRADE 10

SYNCHRONOUS VIRTUAL, OPEN

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

ENGLISH

ENG1DN - ENGLISH, GRADE 9

SYNCHRONOUS VIRTUAL, ACADEMIC

This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

ENG1LN - ENGLISH, GRADE 9

SYNCHRONOUS VIRTUAL, LOCALLY DEVELOPED

This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

ENG1PN - ENGLISH, GRADE 9

SYNCHRONOUS VIRTUAL, APPLIED

This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: NONE

ENG2DN - ENGLISH, GRADE 10

SYNCHRONOUS VIRTUAL, ACADEMIC

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG1D,ENG1P

ENG2LN - ENGLISH, GRADE 10

SYNCHRONOUS VIRTUAL, LOCALLY DEVELOPED

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English, Grade 11, Workplace Preparation course, or in the English: Contemporary Aboriginal Voices, Grade 11, Workplace Preparation course. The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking. Students reflect regularly upon their growth in these areas.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG1L

ENG2PN - ENGLISH, GRADE 10

SYNCHRONOUS VIRTUAL, APPLIED

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG1D,ENG1P

ENG3CN - ENGLISH, GRADE 11

SYNCHRONOUS VIRTUAL, COLLEGE

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG2P,ENG2D,ESLEO

ENG3EN - ENGLISH, GRADE 11

SYNCHRONOUS VIRTUAL, WORKPLACE

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG2P,ENG2L,ESLDO

ENG4CN - ENGLISH, GRADE 12

SYNCHRONOUS VIRTUAL, COLLEGE

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG3C,ENG3U,NBE3C,NBE3U

ENG4EN - ENGLISH, GRADE 12

SYNCHRONOUS VIRTUAL, WORKPLACE

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG3E,ESLDO,NBE3E

ENG4UN - ENGLISH, GRADE 12

SYNCHRONOUS VIRTUAL, UNIVERSITY

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG3U,NBE3U

FRENCH AS A SECOND LANGUAGE

FSF1DN - CORE FRENCH, GRADE 9

SYNCHRONOUS VIRTUAL, ACADEMIC

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

FSF1PN - CORE FRENCH, GRADE 9

SYNCHRONOUS VIRTUAL, APPLIED

This course provides opportunities for students to communicate and interact in French in structured situations, with a focus on everyday topics, and to apply their knowledge of French in everyday situations. Students will develop listening, speaking, reading, and writing skills introduced in the elementary Core French program, through practical applications and concrete examples, and will use creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

FSF2DN - CORE FRENCH, GRADE 10

SYNCHRONOUS VIRTUAL, ACADEMIC

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: FSF1D,FSF1P

FSF3UN - CORE FRENCH, GRADE 11

SYNCHRONOUS VIRTUAL, UNIVERSITY

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: FSF2D,FSF2P

FSF4UN - CORE FRENCH, GRADE 12

SYNCHRONOUS VIRTUAL, UNIVERSITY

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: FSF3U

GUIDANCE AND CAREER EDUCATION

GLC2ON - CAREER STUDIES, GRADE 10

SYNCHRONOUS VIRTUAL, OPEN

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

SOCIAL SCIENCE AND HUMANTIES

HIF10N - EXPLORING FAMILY STUDIES, GRADE 9

SYNCHRONOUS VIRTUAL, 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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

HIF20N - EXPLORING FAMILY STUDIES, GRADE 10

SYNCHRONOUS VIRTUAL, 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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

MATHEMATICS

MAP4CN - FOUNDATIONS FOR COLLEGE MATH, GRADE 12

SYNCHRONOUS VIRTUAL, COLLEGE

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MBF3C,MCF3M

MAT1LN - MATHEMATICS, GRADE 9

SYNCHRONOUS VIRTUAL, LOCALLY DEVELOPED

This course provides students who have experienced difficulties in previous mathematics courses an opportunity obtain sufficient background and skill development to prepare them for Grade 11 and 12 Workplace Preparation courses. Whenever possible, ideas will be presented in a realistic context providing students with an opportunity to explore, organize, interpret, and use mathematical models to solve problems. Technology and manipulative materials will be used wherever appropriate.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

MAT2LN - MATHEMATICS, GRADE 10

SYNCHRONOUS VIRTUAL, LOCALLY DEVELOPED

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MAT1L,MFM1P,MPM1D

MBF3CN - FOUNDATIONS FOR COLLEGE MATH, GRADE 11

SYNCHRONOUS VIRTUAL, COLLEGE

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MFM2P,MPM2D

MCF3MN - FUNCTIONS & APPLICATIONS, GRADE 11

SYNCHRONOUS VIRTUAL, UNIVERSITY/COLLEGE

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MPM2D,MFM2P

MCR3UN - FUNCTIONS, GRADE 11

SYNCHRONOUS VIRTUAL, UNIVERSITY

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MPM2D

MCV4UN - CALCULUS AND VECTORS, GRADE 12

SYNCHRONOUS VIRTUAL, UNIVERSITY

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 threedimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

MDM4UN - MATHEMATICS OF DATA MANAGEMENT, GRADE 12

SYNCHRONOUS VIRTUAL, UNIVERSITY

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MCR3U,MCF3M

MEL3EN - MATHEMATICS FOR EVERYDAY LIFE, GRADE 11

SYNCHRONOUS VIRTUAL, WORKPLACE

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MPM1D,MFM1P,MAT2L

MEL4EN - MATHEMATICS FOR EVERYDAY LIFE, GRADE 12

SYNCHRONOUS VIRTUAL, WORKPLACE

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MEL3E

MFM2PN - FOUNDATIONS OF MATHEMATICS, GRADE 10

SYNCHRONOUS VIRTUAL, APPLIED

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MPM1D, MFM1P

MHF4UN - ADVANCED FUNCTIONS, GRADE 12

SYNCHRONOUS VIRTUAL, UNIVERSITY

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MCR3U, MCT4C

MPM2DN - PRINCIPLES OF MATHEMATICS, GRADE 10

SYNCHRONOUS VIRTUAL, ACADEMIC

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: MPM1D,MPM1H

MTH1WN - MATHEMATICS - GRADE 9, GRADE 9

SYNCHRONOUS VIRTUAL, DESTREAMED

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

FIRST NATIONS, MÉTIS AND INUIT STUDIES

NAC20N-FIRST NATION/METIS/INUIT IN CDA, GRADE 10

SYNCHRONOUS VIRTUAL, OPEN

This course explores the histories of First Nations, Métis, and Inuit in Canada from precontact to the present day. Students will examine the continuing impact of past social, cultural, economic, political, and legal trends and developments on First Nations, Métis and Inuit individuals and communities. Students will apply the concepts of historical thinking and the historical inquiry process to investigate a range of issues, events, and interactions that have affected First Nations, Métis, and Inuit individuals and communities, including those that continue to affect relations between Indigenous and non-Indigenous peoples in Canada.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

NBE3CN-ENG:FIRSTNATION/METIS/INUIT VOICE, GRADE 11

SYNCHRONOUS VIRTUAL, COLLEGE

This course explores themes, forms, and styles of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG2D,ENG2P

NBE3EN-ENG:FIRSTNATION/METIS/INUIT VOICE, GRADE 11

SYNCHRONOUS VIRTUAL, WORKPLACE

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG2D,ENG2P,LDCC

NBE3UN-ENG:FIRSTNATION/METIS/INUIT VOICE, GRADE 11

SYNCHRONOUS VIRTUAL, UNIVERSITY

This course explores themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will analyse the changing use of text forms by Indigenous authors/creators from various periods and cultures in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: ENG2D

HEALTH AND PHYSICAL EDUCATION

PAF20N - PERSONAL AND FITNESS ACTIVITIES, GRADE 10

SYNCHRONOUS VIRTUAL, 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. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

PAF30N - PERSONAL AND FITNESS ACTIVITIES, GRADE 11

SYNCHRONOUS VIRTUAL, 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. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

PAF40N - PERSONAL AND FITNESS ACTIVITIES, GRADE 12

SYNCHRONOUS VIRTUAL, 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 participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

PPL10N - HEALTHY ACTIVE LIVING EDUCATION, GRADE 9

SYNCHRONOUS VIRTUAL, OPEN

This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

SCIENCE

SBI3CN - BIOLOGY, GRADE 11

SYNCHRONOUS VIRTUAL, COLLEGE

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SNC2D,SNC2P

SBI3UN - BIOLOGY, GRADE 11

SYNCHRONOUS VIRTUAL, UNIVERSITY

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SNC2D

SBI4UN - BIOLOGY, GRADE 12

SYNCHRONOUS VIRTUAL, UNIVERSITY

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SBI3U

SCH3UN - CHEMISTRY, GRADE 11

SYNCHRONOUS VIRTUAL, UNIVERSITY

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SNC2D

SCH4CN - CHEMISTRY, GRADE 12

SYNCHRONOUS VIRTUAL, COLLEGE

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SNC2D,SNC2P

SCH4UN - CHEMISTRY, GRADE 12

SYNCHRONOUS VIRTUAL, UNIVERSITY

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SCH3U

SNC1DN - SCIENCE, GRADE 9

SYNCHRONOUS VIRTUAL, ACADEMIC

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

SNC1LN - SCIENCE, GRADE 9

SYNCHRONOUS VIRTUAL, LOCALLY DEVELOPED

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

SNC1PN - SCIENCE, GRADE 9

SYNCHRONOUS VIRTUAL, APPLIED

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

SNC2DN - SCIENCE, GRADE 10

SYNCHRONOUS VIRTUAL, ACADEMIC

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SNC1D,SNC1P

SNC2LN - SCIENCE, GRADE 10

SYNCHRONOUS VIRTUAL, LOCALLY DEVELOPED

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace, and in the Grade 11 Science Workplace Preparation course. Students explore a range of topics, including science in media, interactions of common materials, interdependence of organisms in communities, and using electrical energy.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

SNC2PN - SCIENCE, GRADE 10

SYNCHRONOUS VIRTUAL, APPLIED

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SNC1D,SNC1P

SPH3UN - PHYSICS, GRADE 11

SYNCHRONOUS VIRTUAL, UNIVERSITY

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SNC2D

SPH4CN - PHYSICS, GRADE 12

SYNCHRONOUS VIRTUAL, COLLEGE

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.

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SNC2D,SNC2P

SPH4UN - PHYSICS, GRADE 12

SYNCHRONOUS VIRTUAL, UNIVERSITY

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

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites: SPH3U

STUDYN - STUDY HALL, GRADE 9

SYNCHRONOUS VIRTUAL, OPEN

Students wishing to take a Synchronous Virtual course must select all of their courses from this discipline in myBlueprint. Students who are selecting courses for grades 11 and 12 are permitted to select up to two courses from the Asynchronous eLearning course discipline.

Prerequisites:

SVN3MN - ENVIRONMENTAL SCIENCE, GRADE 11

SYNCHRONOUS VIRTUAL, UNIVERSITY/COLLEGE

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.

Prerequisites: SNC2D,SNC2P

TECHNOLOGICAL EDUCATION

TIJ10N - EXPLORING TECHNOLOGIES, GRADE 9

SYNCHRONOUS VIRTUAL, 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.

Prerequisites:
