

Grade 11 & 12 Course Descriptions :

English

Canadian Literature 120

Canadian Literature 120 involves the study of a variety of literary genres from past eras to present day. Through the study of selected poems, novels, essays, and plays, students will become more aware of our unique style and heritage. This course is open to all students in grade eleven or twelve, but will appeal most to those who like to read, discuss issues, and have a genuine interest in how writers reflect our identity.

English Literature AP

This elective English course can allow you to receive credit for university! English AP is for any student who enjoys reading, discussing, and writing about literature. The discussions involve structure, style, and themes, as well as figurative language, imagery, symbolism, and tone. If you are planning on completing a Bachelor of Arts degree, or just love reading and learning about how writers use language to provide meaning and pleasure, you should take this course! Prerequisite: English 121 or 80% in English 122 or permission from English SPR.

English 111 - 121

English 111-121 is a pair of courses designed for students whose aptitudes and interests in language/literature are above average. These courses will provide an enriched variety of experiences with language and texts to challenge and refine students' competencies. Greater range and depth of the content plus more independent and interdependent experiences will accommodate students' interests and talents. Prerequisite for English 111: 80% in English 10, Prerequisite for English 121: an English 111 credit or 80% in English 112.

English 112 - 122

English 112-122 is a pair of courses appropriate for students intending to pursue studies at a post-secondary institution. Each of the English courses will provide a wide variety of experiences with literacy skills and writing formats. English 112 will focus on argument, persuasion, fact and opinion, a Shakespearean play and other significant literary pieces; English 122 will concentrate on critical comprehension and evaluation skills of Canadian and world literature, including a Shakespearean play. Prerequisite for English 112: 60% in English 10, Prerequisite for English 122: an English 112 credit.

English 113 - 123

English 113-123 is a pair of courses intended for students who do not plan to attend academic post-secondary institutions. These English courses provide a variety of experiences with language and texts to develop students' competencies in thinking, reading, viewing, writing, listening and speaking. High priority is given to comprehension and to effective written and oral communication. Students will concentrate on improving strategies for learning from literary, technical and media texts; practical and personal writing is stressed.

English 110

This English course is an Additional Language (EAL) course designed for students entering High School whose first language is not English. This course provides a variety of experiences to help students acquire beginner/intermediate skills in reading/writing as well as listening/speaking.

Journalism 120

Journalism 120 is a course designed for students who want to learn more about newspaper publishing, effective communication skills, and proper journalistic writing style. Students in this course gather information, write articles, and edit them for the possibility of publication. Students will also utilize creative skills in photography, design and layout, and learn about journalistic ethics.

Learning Strategies 110

Designed to assist students having academic potential and whose goals are to take post-secondary studies, Learning Strategies 110 is designed to develop necessary, specialized skills to equip graduates for a successful transition from high school to university or college. The course covers such topics as: Learning styles identification, study skills and strategies, test-taking strategies, writing and reading skills development, and knowledge of the transition process.

Media Studies 120

The Media Studies 120 course looks at different forms of mass communication---motion pictures, television, posters, print media and the internet---and their impact on the individual and society. Students will learn to recognize different genres within these forms, and be able to describe the conventional ways of building various mediums like a television program such as a sitcom or drama. They will also investigate such issues as media ownership and public access, gender issues in advertising, and media literacy. Students will also examine various media sources to detect inherent strengths and weaknesses like the promotion of humanitarianism, or political propaganda.

Reading Tutor 120(Application Required)

In Reading Tutor 120, senior student tutors are paired with younger struggling readers. In the theoretical portion of the course, tutors will be introduced to techniques and methods for teaching reading and writing strategies; in the practical portion, they will actually work with a weaker reader. This course would be of particular interest for those students planning to enter the field of Education

Writing 110

Writing 110 provides an opportunity for motivated students to hone their writing skills by taking part in a variety of writing activities including, but not limited to, creative non-fiction, fiction, and poetry. Students will have the opportunity to share their work with each other in a workshop setting. We will explore the qualities of great writing by reading and practice our skills by writing. Student work will be assessed throughout the course and culminate in a portfolio.

French

French Language A.P.

The goal of the A.P. French Language course is to strengthen the four skills in second language learning. All learning activities will focus on speaking, reading, listening and writing. Students will be able to write an exam prescribed by the College Board A.P. committee. Successful results on the A.P. exam will be accepted at various universities. Prerequisite: F.I. Language Arts 120 or French 121.

French Immersion Biology 111

This course covers the same topics as the Biology 112 course but in greater detail. It is geared for students with a greater interest in Biology, those who are looking to further their education in Biology and those interested in the AP Biology course. There will be an increased emphasis on evolution and evolutionary trends seen in living organisms. Intensive lab work and dissections are a significant part of Biology 111. Prerequisite: 75% in Science 10

French Immersion Biology 112

This introductory Biology course covers a variety of topics. Students will begin with a review of the plant and animal cell. Cellular processes are then examined followed by an examination of the classification system. Representative organisms are looked at from each Kingdom as well as viruses. The second half of the course focuses on the human body. Topics include the digestive, circulatory, endocrine and nervous systems. Lab work and dissections are an important part of this class. Prerequisite: Grade 10 Science

French Immersion Foundations of Mathematics 11

This course is a pre-requisite for a second Foundations of Mathematics course in Grade 12, providing a pathway designed for entry into academic programs not requiring pre-calculus. It is also a pre-requisite for the pre-calculus pathway. Students develop spatial sense and proportional reasoning through problems that involve rates, scale diagrams and relationships among similar 2-D and 3-D shapes and objects. Students develop logical reasoning skills and apply this to proofs and problems involving angles and triangles, the sine law and the cosine law. Students model and solve problems involving systems of linear inequality in two variables and explore characteristics of quadratic functions. Costs and benefits of renting and leasing and buying are explored and investment portfolios are analyzed. This is a pre-requisite for Foundations of Mathematics 12 and a pre-requisite or co-requisite for Pre-Calculus 11.

French Immersion Individual and Family Dynamics 120

The overall aim of Family Living 120 is to provide students with the necessary knowledge, skills, and abilities to meet the challenges of our dynamic and complex society. The course focuses on the development of resourcefulness to assist students in viewing the family from various perspectives and to make informed decisions about solutions to existing and emerging difficulties occurring in everyday living. The interrelatedness between family and work life is addressed as well as the need to understand better daily family issues and their impact on both the family and work environments. Family Living 120 has been designed for students who plan to undertake further studies in this field and those who wish to expand their knowledge in the area of family studies.

French Immersion Language Arts 120

Students will focus on written and oral communications skills. Students will be required to read novels and give oral and written presentations based on a variety of subject areas. All students will be given an oral interview evaluated by a representative from the Department of Education. Students will receive a certificate indicating their rating according to the N.B. proficiency scale. Prerequisite: F.I. Language Arts 110.

French Immersion Language Arts 110

Students will focus on written and oral communication skills. Students will be required to read novels, give oral and written presentations based on a variety of subject areas. Prerequisite: F.I. Language. 10

French Immersion Modern History 112

The goal of this course is to develop a deeper understanding of modern history's influence on our perception of the world. Refer to the course description in Modern History 112 for curriculum.

French Immersion Pre-Calculus 11

This course, followed by later courses in Pre-Calculus and Calculus, is designed for entry into post-secondary programs requiring Pre-Calculus. Students demonstrate an understanding of absolute value of real numbers, and solve problems that involve radicals, radical expressions, and radical equations. Students determine equivalent forms, simplify rational expressions, and solve problems that involve rational equations. They develop an understanding of angles in standard position () and solve problems for these angles using the three primary trigonometric ratios. Polynomial expressions are factored and absolute value functions and quadratic functions are analyzed and graphed. Students solve problems that involve quadratic equations and solve, algebraically and graphically, problems that involve systems of linear-quadratic and quadratic-quadratic equations in two variables. They also solve problems that involve linear and quadratic inequalities in two variables, and quadratic inequalities in one variable. This course is a pre-requisite for Pre-Calculus 12A.

French Immersion Wellness Through Physical Education 110

The goal of this course is to promote healthy active living for life. The course is intended to encourage a broad-based exploration of a variety of activities, highlighting non-traditional approaches to fitness and wellness (e.g., yoga, hiking, ultimate Frisbee, personal training, Tai Chi). The course will be for students who have successfully completed Grade 9/10 Physical Education and Health and wish to personalize their learning by researching, self-assessing and determining personal preferences for engaging in lifelong physical activity. Students will apply knowledge of fitness and wellness concepts to the creation of a personal healthy active living plan.

Post Intensive French 112 - 111

This course extends the range of language skills, structures and concepts for effective communication in French in a variety of situations. It is designed for students who have successfully completed French 10. Students who wish to broaden the scope of their communicative skills in the second official language are excellent candidates for this course. Daily oral participation and individual and/or group presentations are required during this course. Prerequisite: PI French 10 or 75% or higher to take level one.

Post Intensive French 122 - 121

The goals of the course are to broaden the second language students' oral and written communications skills. A variety of project work, novels, newspaper articles and oral presentations are included in this course. All grade twelve French Second language students will participate in the oral interview, which will be evaluated by the Department of Education. Students will receive a certificate indicating their rating of proficiency according to the N.B. proficiency scale. Prerequisite: PI French 112-1.

History

Canadian History 122

This course presents the history of Canada from the early years of the nineteenth century to the present. Topics examined include: Pre-Confederation, the Confederation Era, the MacDonald Era: Expansion and Consolidation, the Laurier Era: Prosperity and Development, Years of Crisis, Between the Wars, Canada in World War II, and Canada in the Modern World. Prerequisite: Modern History 111 or 112

Canadian History 121

Canadian History 121 is a thematic study of Canada covering the last century. Themes examined include: The Constitution (Dilemma or Identity), Social Issues and Economics (ex: Nationalism versus Internationalism). Prerequisite: Modern History 111 or 75% in Modern History 112.

European History AP

AP History students will do independent, analytical and critical research using primary sources. A strong writing background and ability to do work on one's own is needed. AP will give students an opportunity to take a university level course. Prerequisite: 85% in Modern History 111

Modern History 111

Modern History 111 is an in-depth thematic study of major events in modern Europe history that have shaped the 21st century. Topics discussed include the French revolution, the Revolutions of 1848, the Industrial Revolution, the Russian Revolution, the World Wars and the Cold War. Students will be expected to make oral presentations and in-depth analysis.

Modern History 112

Modern History 112 follows the secularization of Western society with particular emphasis on the revolutions on the 19th and 20th centuries. Topics will include the French Revolution, the Industrial Revolution, the World Wars and the Cold War.

Modern History 113

Modern History 113 is designed to provide an understanding of the main events of the twentieth century, as well as some familiarity with basic skills used to interpret historical accounts. A survey approach is given to the following topics: Basic World Geography, Industrialization, Life in the 20's and 30's, World War I, World War II, and the Cold War.

Mathematics

Financial and Workplace Mathematics 110

This course is the first of two courses in the Financial and Workplace pathway designed for entry into post-secondary trades and technical programs, or for direct entry into the work force. Concepts of right triangles, trigonometry, and angles of elevation and depression are applied to contextual problems. Scale models and drawings of 2-D and 3-D objects are constructed from various views and perspectives. Students are challenged to solve problems that involve numerical reasoning. Costs and benefits of renting, leasing and buying are explored, investment portfolios analyzed and personal budgets developed. Students manipulate and apply formulas in a variety of ways and solve problems using proportional reasoning and unit analysis. Students have a choice of this course or **Foundations of Mathematics 11** to complete graduation requirements. This is a pre-requisite for **Financial and Workplace Mathematics 12**.

Financial and Workplace Mathematics 120

This is the second of two courses in the Financial and Workplace pathway designed for entry into post-secondary trades and technical programs, or for direct entry into the work force. Students explore the limitations of measuring instruments, and solve problems using sine and cosine laws and the properties of triangles, quadrilateral, and regular polygons as they relate to construction, industrial, commercial and artistic applications. Transformations of 2-D and 3-D shapes are identified, drawn with and without technology, and used to create, analyze and describe designs and to solve contextual problems. The viability of small business options are explored including expenses, feasibility, and factors that could impact on profitability. Linear relations are studied, including patterns and trends, graphing, creating tables of values, writing equations, interpolating and extrapolating, and solving problems. Students gain an understanding of mean, weighted and trimmed mean, median and mode, and explore the impact of outliers. They also compare percent and percentile, and explore probability. Opportunity is given to research and present an historical event or an area of interest that involves mathematics.

Foundations of Mathematics 110

This course is a pre-requisite for a second **Foundations of Mathematics** course in Grade 12, providing a pathway designed for entry into academic programs not requiring pre-calculus. It is also a pre-requisite for the pre-calculus pathway. Students develop spatial sense and proportional reasoning through problems that involve rates, scale diagrams and relationships among similar 2-D and 3-D shapes and objects. Students develop logical reasoning skills and apply this to proofs and problems involving angles and triangles, the sine law and the cosine law. Students model and solve problems involving systems of linear inequality in two variables and explore characteristics of quadratic functions. Costs and benefits of renting, leasing and buying are explored and investment portfolios are analyzed. This is a pre-requisite for **Foundations of Mathematics 12** and a pre-requisite or co-requisite for **Pre-Calculus 11**.

Foundations of Mathematics 120

This is the second of two courses in the Foundations of Mathematics pathway designed for entry into post-secondary academic programs not requiring pre-calculus. In statistics, students are introduced to normal curves, and learn to interpret statistical data, using confidence intervals, confidence levels, and margins of error. To develop logical reasoning students analyze puzzles and games, and solve problems that involve application of set theory and conditional statements. The validity of odds and probability statements are assessed and problems are solved that involve probability of two events, the fundamental counting principle, permutations, and combinations. The binomial theorem is used to expand powers of a binomial. Data is represented using polynomial functions, exponential and logarithmic functions and sinusoidal functions to solve problems. **Foundations of Mathematics 110** is a pre-requisite for this course.

Pre-Calculus 110

This course, followed by later courses in Pre-Calculus and Calculus is designed for entry into post-secondary programs requiring Pre-Calculus. Students demonstrate an understanding of absolute value of real numbers, and solve problems that involve radicals, radical expressions, and radical equations. Students determine equivalent forms, simplify rational expressions, and solve problems that involve rational equations. They develop an understanding of angles in standard position (0° to 360°) and solve problems for these angles using the three primary trigonometric ratios. Polynomial expressions are factored and absolute value functions and quadratic functions are analyzed and graphed. Students solve problems that involve quadratic equations and solve, algebraically and graphically, problems that involve systems of linear-quadratic and quadratic-quadratic equations in two variables. They also solve problems that involve linear and quadratic inequalities in two variables, and quadratic inequalities in one variable. Pre-requisite for **Pre-Calculus 12A**.

Pre-Calculus A 120

This course follows **Pre-Calculus 110** and precedes **Pre-Calculus B 120**. Students demonstrate and apply an understanding of the effects of horizontal and vertical translations, horizontal and vertical stretches, and reflections on graphs of functions and their related equations. They are introduced to inverses of functions, logarithms, and the product, quotient and power laws of logarithms and use these laws and the relationship between logarithmic and exponential functions to solve problems. Students are introduced to angles in standard position, expressed in degrees and radians, and to the unit circle. The six trigonometric ratios, and the sine, cosine and tangent functions are used to solve problems. First and second degree trigonometric equations are solved algebraically and graphically with the domain expressed in degrees and radians. Trigonometric identities are proven using reciprocal, quotient, Pythagorean, sum or difference, and double-angle identities. **Pre-Calculus 110** is a pre-requisite for this course, and this course is a pre-requisite for **Pre-Calculus B 120**.

Pre-Calculus B 120 This course follows **Pre-Calculus A 120** and precedes **Calculus 120**. Students analyze arithmetic and geometric sequences and series to solve problems. They learn to factor polynomials of degree greater than 2, and to graph and analyze polynomial functions. They also graph and analyze radical, reciprocal and rational functions, building a function toolkit. Students are introduced to the concept of limits and determine the limit of a function at a point both graphically and analytically. They explore and analyze left and right hand limits as x approaches a certain value using correct notation, analyze the continuity of a function and explore limits which involve infinity.

Calculus 120 This is the last course offered in the Pre-Calculus Pathway, and follows Pre-Calculus B 120. This course develops the concepts of average and instantaneous rates of change. Derivatives are determined by applying the definition of a derivative and the derivative rules including the Chain Rule, and are determined for trigonometric functions. Limits and derivatives of exponential and logarithmic functions are found. Calculus techniques are used to sketch graphs of functions, and to solve optimization problems. Problems are solved involving inverse trigonometric functions, involving related rates and involving the application of the integral of a function from a variety of fields. The definite integral and the antiderivative of a function are determined. Pre-Calculus A 120 and Pre-Calculus B 120 are pre-requisites for this course.

AP Calculus I / AP Calculus II (1 credit)

The Advanced Placement program gives students the opportunity to take a college level exam while still in high school. Students are eligible to earn credits, exemptions or both at most North American universities. The content of the course follows an introductory university calculus course and includes such topics as limits of functions, asymptotic and unbound behaviour, continuity as a property of functions, derivatives, related rates, curve-sketching, interpretation and properties of definite integrals. Prerequisite: 85% in Pre-Calculus 12A

Sciences

Biology AP

The AP biology course is designed to be equivalent to an introductory college course for science majors. Passing the AP exam may qualify students for credit at many colleges. It is assumed that all students enrolling in AP Biology have successfully completed Biology 111 and Biology 121 with a high degree of proficiency (mark of 75%). Taking introductory chemistry before or during AP biology is also very helpful.

Biology 111

This course covers the same topics as the Biology 112 course but in greater detail. It is geared for students with a greater interest in Biology, those who are looking to further their education in Biology and those interested in the AP Biology course. There will be an increased emphasis on evolution and evolutionary trends seen in living organisms. Intensive lab work and dissections are a significant part of Biology 111. Prerequisite: 75% in Science 10

Biology 112

This introductory Biology course covers a variety of topics. Students will begin with a review of the plant and animal cell. Cellular processes are then examined followed by an examination of the classification system. Representative organisms are looked at from each Kingdom as well as viruses. The second half of the course focuses on the human body. Topics include the digestive, circulatory, endocrine and nervous systems. Lab work and dissections are an important part of this class. Prerequisite: Grade 10 Science

Biology 113

This course begins with a general introduction to the scientific method. The structure of the cell and cell processes are examined in detail. The classification system and the five Kingdoms are discussed as well as viruses. The human body systems are also covered including; circulation, respiration, nervous system and reproductive system. The text used in this course is Globe Biology which is at a lower reading level than the text used in Biology 112/111.

Biology 121

The topics covered include ecological issues, genetics, biotechnology and evolutionary theories. Students who have successfully completed Biology 111 will be prepared to take this course. This course is a prerequisite for AP Biology.

Biology 122

This course looks at cellular biology and the impact of the electron Microscope. The biochemistry of the cell physiology, which includes DNA action, cellular respiration and photosynthesis, is considered beyond the introductory level. Human anatomy and physiology using a homeostasis theme is considered. This section is confirmed through the dissection of a fetal pig. Students who have had Biology 112 and some chemistry will feel comfortable in this course. Prerequisite: Biology 112

Chemistry 111

This course is recommended for students who are interested in pursuing a career in science or engineering at the university level. Students who choose this course should have a genuine interest and superior skills in mathematics. Students considering AP Chemistry must take this course. Prerequisite: 75% in Science 10

Chemistry 112

Topics in this course include an introduction to atomic theories, naming elements and compounds, chemical reactions, gases, solutions, stoichiometry and chemical bonding. There is a significant lab component to this course. Prerequisite: Science 10

Chemistry 122

This course follows Chemistry 112. Topics include chemical bonding, energy involved in phase, chemical and nuclear changes, organic chemistry and acid/base chemistry. There is a significant lab component to this course. Prerequisite: Chemistry 112

Chemistry 121

This course follows Chemistry 111. Topics include chemical bonding, energy involved in phase, chemical and nuclear changes, organic chemistry and acid/base chemistry. There is a significant lab component to this course. Students considering AP Chemistry must take this course. Prerequisite: Chemistry 111

Chemistry AP

This course is designed to be the equivalent of the general chemistry course usually taken during the first university year. For some students, this course enables them to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register for courses in other fields where general chemistry is a prerequisite. It is assumed that all students enrolling in AP Chemistry have successfully completed Chemistry 111 and Chemistry 121 with a high degree of proficiency (mark of 75%). (Must take Science 122 in the second semester)

Environmental Science AP

The goal of this course is to provide students with the scientific principles, concepts, and field techniques to understand the interconnectedness of the natural world. Students will be expected to identify and analyze naturally occurring and anthropogenic environmental problems. They will be expected to assess the risks associated with these problems and to examine solutions for resolving and/or preventing them.

Introduction to Environmental Science 120

The objective of this introductory course is for students to develop the knowledge base and skills for investigating and analyzing environmental issues and for communicating their knowledge and analysis to others. Students will investigate population growth and resource limitations, ecology of natural systems, historical and current approaches to the environment from various worldviews, and sustainability of natural environments. They will explore the interconnectedness of natural ecosystems and human dependence and impact on these systems. They will recognize the importance of considering environmental, social, cultural and economic aspects of an issue to find solutions. Students will complete a research project on a current issue and present their findings, and will further explore this and other environmental issues through various methods of inquiry.

Physical Geography 110

This course has two main components; maps and physical processes. The first component introduces skills that are basic to a geographer's use of topographic maps. The physical landscape section includes Plate Tectonics, earthquakes, volcanoes, mountain ranges, mountain building, continental drift, groundwater, and wind. This course can be used as a science credit.

Physics 112

This is a course which will be valuable for students interested in medical, engineering, technician, electrical and construction careers, as well as those who are curious about the world around them. The course covers the areas of waves (light and sound), motion, forces, work and energy. There is a strong practical component drawing on experimental and problem solving skills.

Prerequisite: Grade 10 Science

Physics 111

This course follows the same content as Physics 112 but in greater depth. Students considering taking AP Physics must take this course.

Prerequisite: Grade 10 Science

Physics 122

This course will build upon the key principles introduced in Physics 112. Students will examine motion in two dimensions, projectiles, circular motion, force fields and electricity. As in grade 11 there is an emphasis on critical thinking and application of the material covered to everyday problems and engineering.

Prerequisite: Physics 112

Physics 121

This course will build upon the key principles introduced in Physics 111. The course follows the same content as Physics 111 but in greater depth. Students considering taking AP Physics must take this course.

Prerequisite: Physics 111

Physics AP

AP gives students an opportunity to take college-level courses and exams while still in high school. It is assumed that students enrolling in AP Physics have a genuine interest in Physics and have an above average ability in mathematics.

Prerequisite: Physics 111 and Physics 121 (Must take Science 122 in the second semester).

Science 122

This course is highly recommended for students who are planning to further their education in engineering, chemistry or any of the other Physical sciences. This course is open to any student who has completed Physics 112/111, Physics 122/121, Chemistry 112/111, and Chemistry 112/121. Lab work is a significant part of this course.

Technology

Computer Aided Design 110

This is an introductory course designed to give students a solid base of knowledge and skill in the drafting area. Through various activities, including sketching, and computer assisted drawing (CAD), students gain the skills necessary to both visualize and present ideas graphically. As use of this form of graphic communication is so universal, this course would be of interest and benefit to a wide range of students beyond those pursuing a career specifically in the drafting industry or technology/engineering areas.

Computer Science 110

This is a course designed to introduce the student to the process of developing a structured approach to writing computer instructions using a high level language. Students will use the Visual Basic language in a windows environment. The course is intended to develop problem-solving skills, logical-thinking skills, organizational skills and teamwork approaches. Previous knowledge of computers is not required. This course is a desired prerequisite for Computer Science 120.

Computer Science 120

Computer Science 120 is recommended for students with a strong interest in computer programming. Students will learn the basic syntax of the Java language, program Java Applets and write simple programs using object-oriented design principles. The course provides a good foundation for students who wish to pursue a post-secondary program in computer science.

Digital Production 120

Digital Production 120 offers students opportunities to produce different forms of media including websites, digital imaging, audio and video production. Students will also explore ethical issues surrounding media production and consumption, copyright and the appropriate use of copyrighted materials

Information Technology 120

This course introduces students to technical applications necessary to build proficient IT skills. Students will use Microsoft Windows and will learn, in-depth, the major components of Microsoft Office, including: Word, Excel, Access, Publisher and PowerPoint. With a focus on the communication of information, this course will explore a number of technical ideologies that will give the student the ability to analyze, synthesize and evaluate situations at home, school or work.

Technical Support 110

This course provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level ICT professionals. The curriculum covers the fundamentals of PC computer technology, networking, and security, and also provides an introduction to advanced concepts. The course combines on-line course materials with hands-on technical skills. The course is essential for obtaining FIT certification.

Life Role & Personal Development

Co-operative Education 120 (Application Required)

(3 credits)

This course is available to grades 11 & 12 students. Preference is given to grade 12 students. Students who qualify are placed in a career, and as a result benefit from actual experience in the working world. The experience is worthwhile and a sense of accomplishment is one of the greatest rewards. Regular class sessions are held in school in order to learn fundamentals of employment readiness and to allow students to evaluate their experiences through reflective study. A high degree of self-discipline proves essential in the students' overall success.

Entrepreneurship 110

This is an introductory course that provides students with an opportunity to learn about and demonstrate entrepreneurial concepts, including gathering market research and speaking in front of an audience. Entrepreneurship 110 includes the development and implementation a business plan and a requirement to participate in an entrepreneurship market. Students will develop an innovative product or service and attempt to sell it at a market that takes place near the end of the course.

Fine Arts 110

This course is an introduction to the arts in general. The emphasis is not merely on performance or production, but on developing visual literacy through the study of art history and of images taken from multimedia sources within modern culture. Prerequisite: Art 10 or with the permission of the instructor.

Graphic Art and Design 110

This course trains students in the fundamental elements of graphics through studio activity and the history of design. Projects are created manually, and when familiar with the elements and principles of design students begin to create digital images on Adobe Photoshop.

Health and Physical Education 120

Health and Phys Ed. 120 - Leadership - is designed to fill needs of the community with qualified volunteers. It is an elective course for students with a special interest in physical activities and healthful living, combined with a desire to develop leadership skills, which will enable them to translate their interests into dynamic personal involvement in the community. This course is not an activity course but a leadership course where leadership skills are taught and developed through activities. Activities include teaching classes, organizing intramural sports & class trips to local recreational facilities, coaching extra-curricular teams, and running designated tournaments during the semester.

Individual and Family Dynamics 120

This course is will expose students to the skills and information necessary to make informed decisions about personal development, lifestyle choices, and healthy relationships. This curriculum will help prepare students to have a better understanding of themselves, their family and the world around them. Topics to be considered will be: universality and uniqueness of families, the single person, alternate life styles, mate selection and marriage preparation, and social issues of concern to the family. The knowledge and skills presented in Individual and Family Dynamics 120 will benefit students who may wish to pursue fields of study such as: law enforcement, social services, family law, careers in counselling, psychotherapy and family medicine.

Music 111-112

This course is intended to further the study of music as initiated in the 9-10 programs. All students taking this course must play an instrument or sing at a level suitable to ensure success in the course. Students taking this course as a level 1 elective are expected to be at a performance level of Toronto Conservatory Grade 6. Level 2 students should be able to play at a Toronto conservatory Grade 4 level. In order to achieve success in the course, students must be able to play at least two solo pieces, as well as perform in ensemble. The course therefore will include solo and group instruction. Music history and theory are an important component of the course. Prerequisite: Toronto Conservatory Grade 3 (level 2), Grade 5 (Level 1), or successful completion of the Grade 9-10 program with the permission of the instructor.

Music 121/122

Music 121/2 is a continuation of Music 111/2 with an emphasis on performance, theory and history. The grade 12 course has a greater emphasis on music of the 20th century, and composition. Prerequisite: Music 111 or 112.

Outdoor Pursuits 110

Course Fee \$100

Prerequisite: application required

Outdoor Pursuits 110 provides opportunities for students to explore various outdoor adventure activities such as camping, kayaking, canoeing, scuba diving, backpacking, hiking, cross-country skiing, downhill skiing, snowshoeing, orienteering, and rock climbing. From these experiences they will gain a greater insight, appreciation, concern and knowledge about the outdoor environment and the opportunities that it holds for educational, recreational, and economic benefit.

Also throughout the course students will take part in many team-building activities and group problem solving initiatives, where students learn to communicate and support one another to reach their goals, improve self-esteem, develop leadership skills, develop strategies that enhance decision-making, and to respect the differences within a group.

Theatre Arts 120

This is a fun and exciting class where students study the history of theatre, costume, makeup, hair, movement, and play theatre games! Mainly, this is a performance based course in which students perform contemporary and classical monologues and work as an ensemble class towards producing a show.

Visual Arts 110

Visual Arts 110 builds on the techniques learned in Grade 9 and 10 Art Specialty courses, such as perspective drawing, paint application, and figure studies. This class begins with an in-depth study of portraiture in pencil, charcoal & chalk, paint, collage, and Papier Mache. After examining the lives of great artists such as Kahlo, Picasso, and Escher we explore print making, and painting (in a Cubist or Surrealist style).

Prerequisite: Art 10

Visual Arts 120

This course is designed for students who wish to investigate art-related interests or careers. The concepts developed in the grade 11 course are enhanced. This course features a series of projects that develop students' skills on an advanced level, in drawing, painting, printmaking and sculpture.

Prerequisite: Visual Arts 110

Wellness Through Physical Education 110

The goal of this course is to promote healthy active living for life. The course is intended to encourage a broad-based exploration of a variety of activities, highlighting non-traditional approaches to fitness and wellness (e.g., yoga, hiking, ultimate Frisbee, personal training, Tai Chi). The course will be for students who have successfully completed Grade 9/10 Physical Education and Health and wish to personalize their learning by researching, self-assessing and determining personal preferences for engaging in lifelong physical activity. Students will apply knowledge of fitness and wellness concepts to the creation of a personal healthy active living plan.

Social Sciences Electives

AP Psychology

"The Advanced Placement Program offers a course and exam in psychology to qualified students who wish to complete studies in secondary school. The AP Psychology course is designed to introduce students to the systematic and scientific study of the behaviour and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychology use in the science and practice." (Pg. 1 College Boards AP Program 2006-2007). Pre-requisite: English 111/112 in English 121/122.

Canadian Geography 120

Canadian Geography 120 is the study of the ever-changing cultural and physical landscapes of Canada and how they impact on each other. It examines physical systems and interrelates these with human-made structures and systems. It focuses on environmental issues. Geographic understandings and skills are integrated throughout the course.

Child Studies 120

This course is designed for students who plan to undertake further studies in this or related fields and those students who wish to expand their knowledge of the developing child. The course has three purposes:

1. To help students develop an intellectual and emotional understanding of children.
2. To help gain personal skills for participating with children.
3. To develop in students the learning skills they will need in order to be successful in their relationship with children.

Economics 120

Economics 120 is an elective course that provides a general overview of the way our economic system works. It is designed to develop an understanding of the concepts and techniques needed in making economic decisions, and to develop an awareness of the major economic problems and issues of the day. The course also provides some experience in the application of economic knowledge, concepts, and techniques.

Hospitality and Tourism 110

This course creates an appreciation for the Maritimes, particularly New Brunswick. Through exploration of careers, concepts, trends and marketing, this course develops an understanding of the tourism industry and the skills needed to work in this field.

Law 120

This course is designed to give students knowledge of the law, the courts' changing trends, and the major changes the constitution has brought about. Areas of study include the origins of the Canadian legal system, criminal law, civil and human rights, torts/civil law, and Wills and Estates. Actual case studies are used to illustrate situations within these areas of law.

Nutrition and Healthy Living 120

Through research, the science of nutrition continues to expand. It is important to understand information provided, and to make smart healthy decisions. This course is designed to make students aware of preventative strategies to contribute to overall wellness, make healthy food choices and maintain a balance between eating habits and physical activity. Current issues related to chronic diseases, lifestyles, and food technologies will also be discussed. Students will be encouraged to use reliable information to examine their eating habits and lifestyle choices.

Political Science 120

Political Science 120 will introduce students to some of the political philosophers responsible for the systems of government found around the world today. Through contrasting many of these systems, the merits of each will be compared and contrasted to the Canadian system.

Sociology 120

This dynamic course tries to answer the question of why we behave the way we do. It is the systematic study of human society and social interaction, and focuses on how humans behave in and are influenced by groups. Some aspects of Psychology as well as Cultural Anthropology will be examined. Units of study include: The Sociological Perspective; Culture; Racism, Stereotypes and Prejudice; and Socialization.

World Issues 120

This course examines issues that are global in nature and that require a global solution. The concept of the global village is studied, as is the relationship between nations as players in the global community. Students will deconstruct how challenges have been faced and seek solutions for the coming generation.

Business Electives

Accounting 120

This course continues to develop the understanding of accounting concepts that were taught in Introduction to Accounting 120. Course topics include cash and inventory control systems, payroll, and financial decision making. Students must have successfully completed Introduction to Accounting 120 before taking this course. The course is designed for those students intending to study business at post-secondary institutions.

Business Organization & Management 120

This course focuses on ways in which organizations deal with issues affecting their competitiveness in a changing technological and global business environment. Students will study issues such as financial literacy, ethics in business, business environments, management functions, and employee motivation. This course will help prepare students to work successfully in small business, providing them with skills in leadership, critical thinking, and problem solving.

Entrepreneurship 110

This is an introductory course that provides students with an opportunity to learn about and demonstrate entrepreneurial concepts, including gathering market research and speaking in front of an audience. Entrepreneurship 110 includes the development and implementation of a business plan and a requirement to participate in an entrepreneurship market. Students will develop an innovative product or service and attempt to sell it at a market that takes place near the end of the course.

Introduction to Accounting 120

This course introduces the student to accounting procedures, concepts, and applications. Course topics include the nature of business transactions, various careers associated with financial management, bookkeeping procedures, accounting theory, the accounting cycle, and financial statement analysis. The course is designed for those students intending to study business at post-secondary institutions.

Applied Technologies Courses

Culinary Technology 110

This course is an introduction to the food service industry. Through participation in different experiences within a quantity food service, the student learns both to master skills through practice and to become familiar with the required qualities for employment. Some areas to which the students are exposed include personal hygiene, sanitation, safety precautions, time management, the basic principles of food preparation, and the importance of serving nutritious and appetizing meals.

Culinary Technology 120

This course is designed to prepare students for employment and/or future education in the food service industry. This technology driven and skill oriented program involves not only the "how and why" of food services preparation, but focuses on the development of personal skills and knowledge that can be applied to the food services industry.

Prerequisite: Culinary Tech 110.

Culinary Technology 110/120 (2credits)

Is an intensive 2 credit course encompassing course material from Culinary 110 and Culinary 120. The students will learn the theory and practical application of the following: basics of safety and sanitation, baking t , meat cookery , starch cookery and vegetables. Students will be required to perform class presentations and demonstrations. Upon the completion of this course, the student will have the skill and knowledge to create, prepare and serve, restaurant quality, meals. This course would benefit students wishing to enter the culinary field.

Framing and Sheathing 110

This course will provide students with skills and knowledge associated with the framing-in or shell construction of typical single-family dwellings. Students will participate in construction and planning activities, which includes interpretation of the National Building Code, blueprint reading, estimating and material layout. Students are required to have a pair of CSA certified steel toed work boots. If this is not feasible, arrangements can be made on an individual basis to accommodate the student. Students are also expected to work outside in the elements and be prepared to do so. This is the prerequisite to Residential Finishing.

Metals Processing 110

This course is a study of standard machine shop processes used in the manufacture of metal products. Proper operating instructions will be given on a variety of machine tools common to the machine shop trade. Students will apply theory as well as develop practical skills through the production of practical projects. Instructional time of the course will benefit and appeal to those students in pursuing a career in the metals processing areas, those who are considering a future education in mechanical engineering or drafting technology areas, and those who would like to explore this area for personal interest or career guidance reasons.

Metals Processing 120 is a continuation of Metals Processing 110. During this course students will complete specific projects while practicing operations such as threading, taper turning, metal fabrication (welding) and sheet metal work. Students must first complete Metal Processing 110 prior to registering for this course. This course would be of interest to those students wishing to pursue careers in Mechanical Engineering, Drafting, Machinist, Tool and Die maker, Welder and Sheet Metal Worker.

Mill and Cabinet Work 120

This is a finished woodworking course in which students will develop the necessary skills, knowledge, and work habits required constructing cabinets and other miscellaneous millwork typically found in residential dwellings. Students, through a series of projects, will be involved with all aspects of mill work including planning, estimating, operation of woodworking equipment and machines and finish operations. This course will be of benefit to those students interested in entering the construction or woodworking occupations as well as those with a general interest in woodworking.

Residential Finish and Insulation 120

This course examines the work required to finish a family dwelling once it is framed-in. Topics covered include: insulation, interior wall cladding, doors, windows, cornice trim and painting. Students will study these topics both in theory and through project work. This course should be of interest and value to those students interested in pursuing a career related to the construction industry. Students are required to have a pair of CSA certified steel toed work boots. If this is not feasible, arrangements can be made on an individual basis to accommodate the student. Students are also expected to work outside in the elements and be prepared to do so.

Prerequisite: Framing & Sheathing 110

HVHS Courses (Local Option)

Advanced Choral Studies 120 (Local Option)

Enriched Choral Studies 120 is intended to be an extension of Choral Studies 120. Students will, in addition to the regular course material, follow one of two strands in the development of choral performance. The first strand – Choral Music Leadership – will focus on the skills necessary in the successful development and leadership of a performing choral group. This will include, but will not necessarily be limited to: Choral Conducting, choral composition and arranging, criteria for the selection of music for the ensemble, criteria in program selection. The second strand – Choral Music Administration will include, but will not necessarily be limited to: Establishment and maintenance of a library, developing a press kit for the choral organization, Developing a publicity strategy, developing and designing posters and programs, entrepreneurial opportunities in musical promotion, and developing a funding strategy incorporating the private sector.

Choral Studies 120 (Local Option)

This course is designed to further enrich the choral activities of students within the school through the study of the voice, its function in a choral setting, the role of the choir in the broader community and cultural framework, and the development of the choral repertoire through history. This study will take place through actual performance within the classroom, through participation, perception and evaluation of other performances in the community, and through recorded examples.

Conversational French 120 (Local Option)

This course is designed to develop effective communication skills and to help students with day-to-day French. It emphasizes the use of set-up phrases, idiomatic expressions, development of useful vocabulary, and ability to communicate without hesitation in a given situation. The course places special emphasis on pronunciation and intonation. Gives oral reinforcement of grammatical and linguistic structures studied concurrently or previously.

Human Anatomy 120 (Local Option)

This course will explore beyond the basics of the systems of the human body (Bio 11 & 12) and delve into the medical aspects associated with each. It will explore the design of the human body in substantial detail. This course will provide an introduction to educational content associated with pre medicine, the health sciences, and even animal sciences.

Prerequisite: Biology 111 or 112

Instrumental Methods 110 (Instrumental Music 11)(Local Option)

This performance-based course continues the Grade 10 Instrumental Music program with more focus on music theory, major and minor scales and a broader genre of repertoire. Prerequisite: (Instrumental) Music 10

Instrumental Methods 120 (Instrumental Music 12) (Local Option)

This performance-based course continues the Grade 11 Instrumental Music program with more focus on music theory, major and minor scales and a broader genre of repertoire. Prerequisite: (Instrumental) Music 11

Introduction to Engineering Technology 110 and CAD 110 (2 credits)(Local Option)

This course will be of interest to any students interested in or planning on pursuing a career in the engineering field [Professional or Engineering Technologist]. The course consists of a two-period block. Approximately half the time will be spent on Computer Aided Design [common to all engineering programs] and the other half will be spent exploring topics related to engineering. Topics will include: types of Engineering, type of work done, entrance requirements, job demographics, guest speakers from mature and recent graduates, and research projects. Students who have taken Computer Aided Design 110 (CAD 110) are not eligible for this course

Leadership 120 (Local Option)

This is an elective course intended for students who desire to improve their leadership skills. The course is designed to enhance students' abilities to lead proactive and productive lives by reinforcing principles of teamwork, reward/recognition and leadership. Leadership 120 is both a theoretical and practical course. The theoretical component will involve direct participation in student leadership organizations. No prerequisite is required but an application and interview process is necessary. Please pick up application forms in the guidance office.

Marine Biology 120 (Local Option)

The marine environment and more particularly the local dynamics of such ecosystems will be studied. Those organisms that make these areas their habitat will be researched and those related factors that impact upon them will also be studied through lecture, laboratory work and hands-on lab activities. Further discovery will take place during a field trip to St. Andrew's Huntsman Marine Science Centre. How these environments are impacted by other environmental 'forces' will also be a major focus, as well as study of other marine ecosystems such as coral reefs.
Prerequisite: Biology 111 or 112

Popular Music 120 (Local Option)

This course will cover the major styles of popular music from the 1950's to the present, from rhythm and blues to hip hop, from Elvis Presley to The Beatles to Eminem. The course will examine the musical elements, major artists, and social, political, and economic aspects related to each style and era in popular music. Some of the styles covered as well as the respective artists include: Rhythm and Blues, Country and Western, Pop Rockabilly, Folk, Rock, Fusion, Disco, Rap, Punk, Grunge, Motown, and Alternative.

Yoga 110 (Local Option)

This course will introduce students to the ancient tradition of yoga in its various forms and styles. The main outcome of this course is to develop healthy relationships with self, others and the earth. The intention is for students to develop a lifelong personal practice of yoga not only to maintain exceptional physical condition but also to develop healthy relationships with self and others. Yoga 110 consists of research and activities both in oral and written form. There will be self-assessments, creative writing, asana practice and postures, discussions self-reflection and journal writing. Students are expected to have appropriate clothing for the practice of yoga for this course. The purchase of a yoga mat is not necessary, but is recommended.

Distance Education

The province offers expanded learning opportunities to all students by allowing optional and/or advance level courses, which because of illness or school scheduling might not otherwise be available. In such an approach, distance facilitators use online course chat rooms, discussion boards, email and videoconferencing to engage students in the learning process as well as to answer specific queries students may have. Local facilitators are on hand at the students' schools to ensure that the students can access and use all of the tools and equipment they need to complete the course. Students, for their part, work independently, completing online interactive activities, assignments and tests as they progress through the course. A list of these courses and descriptions may be found by logging on to <http://www.qnb.ca/0000/as/dl-e.asp>.

Students who wish to take an on-line course must be in their graduating year, be interviewed by Guidance and have permission of Administration. Students must also have access to a computer and the internet outside of school hours. They must also be able to learn independently, have good reading comprehension and writing skills, be able and willing to commit 10 hours a week to complete the course and be computer literate before starting the course.