# Anglophone East School District 

A Better Future ... Through Quality Education



## Introduction

Anglophone East School District (ASD-E) serves approximately 18000 students in 39 schools. We are proud of the strong academic and extra-curricular programs offered at all our high schools. Students in Anglophone East School District have the opportunity to choose from a wide variety of courses and programs of study that incorporate the six Global Competencies --creativity, critical thinking, communication, character, citizenship, and collaboration, that define what it means to be a deep learner.

Wondering about what courses to choose? This guidebook is intended to assist parents and students in making an informed decision regarding high school course selection. This guidebook, along with the newly developed Companion Document, together provide the information around graduation requirements, second language proficiency levels, course listings and descriptions, as well as a variety of credit options for students.

The list of courses evolves as new courses are developed. Each high school's course offerings differ each year. Please connect with your school to determine the course selection process, suggested pre-requisites for courses, graduation and career planning support, as well as postsecondary university/college program options and admission requirements.

## Course Descriptions

## ADVANCED ENVIRONMENTAL SCIENCE 120

This course has been developed as a second course for those students interested in pursuing a career and further studies in Environmental Science or related disciplines such as Environmental Law, Environmental Health, or Conservation. Environmental science is interdisciplinary, drawing on understandings from biology, chemistry, and the earth sciences, as well as the social sciences. The course begins with a development of understanding of the Earth as a dynamic set of interacting abiotic and biotic systems, driven primarily by the energy of the sun and gravity. Students will explore systems of the hydrosphere, lithosphere, atmosphere, and biosphere, each of which performs critical roles that together, support and sustain life on the planet. With this broad understanding, students will then come back to a study of the environment and the ways in which people have caused chemical changes to air, soil, and water, disrupted ecosystem conservation and balance, affected energy flow and matter cycling, and depleted water and other natural resources. Students will work independently or with a partner to complete a project on an issue of personal concern. This will develop and demonstrate their science inquiry skills: researching the issue and critically analyzing research methods, data collection, and conclusions which have been made; designing and carrying out an original research project related to the issue; researching the effectiveness of current solutions; and exploring possible new solutions.

## AGRICULTURE 110

This course includes the history and evolution of Agriculture in New Brunswick which recognizes Indigenous and settler contributions, everyday impacts on life in NB, and specific types of agriculture predominant in NB. Learners will apply knowledge of plants and animals to local contexts, to introductory plant growing and animal care research skills, which leads to creating quality agriculture products and/or operations. Learners will apply skills during agriculture experiences and/or work placements and will build knowledge in agricultural careers. It allows students a personal choice project or development of a business proposal and plan to summarize and demonstrate learning.

## ANCIENT AND MEDIEVAL HISTORY 112

This course addresses big ideas in civics and Indigenous perspectives and ways of knowing through the study of the distant past. It fosters thoughtful and engaged citizenship through the examination of enduring human issues and questions. Ancient and Medieval History engages students by presenting exciting content and issues that help to explain the world around them today.

## AUTOMOTIVE ELECTRICAL SYSTEMS 120

This course introduces the theory and operation of automotive electrical systems. Students will begin with a study of the basic principles of electricity, which includes electron theory, magnetism, and electrical symbols. They will then progress to the study of individual components throughout the vehicle. This course would benefit students considering an occupational area involving the maintenance in the automotive, aircraft and marine industries.

## BIOLOGY 111

Biology 111 offers the same content as Biology 112. Topics will be covered to a greater depth. Teaching methods will combine lectures, independent library research and student seminars, supplemented by laboratory activities and field trips. Students choosing this course should have a genuine interest in science and a better than average achievement in science and mathematics. This course offers a preparation for Biology 121/2.

## BIOLOGY 112

Biology 112 emphasizes the nature of life. Lecture and demonstration methods are used together with a laboratory program. Science 9/10 will prepare students for this Biology course. Topics include: biodiversity,
cellular matter and energy flow, energy and matter exchange by humans and other organisms, and energy and matter exchange in ecosystems. This course offers a preparation for Biology 121/2.

## BIOLOGY 121

This course offers the same content as Biology 122 with a greater emphasis on scientific research, advanced topics and fieldwork, providing a superior level of preparation for further studies in biology at the university level.

## BIOLOGY 122

Biology 122 is a challenging one-semester course. Previous Chemistry courses are not required but would provide good preparation for this course. Laboratory and/or demonstration periods are an integral part of this course. Major topics covered are: systems regulating change in human and other organisms, reproduction and development, chromosomes, genes, DNA; and change in populations, communities and species.

## BUSINESS ORGANIZATION and MANAGEMENT 120

This is an introductory course in business organization, operation and management designed for those students intending to pursue further study in Business Administration or Economics at a post- secondary institution. The understanding of business operations as practiced in Canada is a major objective of the course including legal forms of ownership, marketing, finance, set up and operation of a small business, and labor/management relations.

## 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, related rates, and the application of the integral of a function from a variety of fields. The definite integral and the anti-derivative of a function are determined. This course is recommended for students interested in post- secondary programs in science, engineering, and mathematics, though it may not be a required entrance requirement. Students should check entrance requirements for the specific program and institution in which they are interested. Pre-Calculus A120 and Pre-Calculus B120 are recommended as pre-requisites for this course.

## CANADIAN GEOGRAPHY 120

Canadian Geography 120 is a study of the ever-changing cultural and physical landscapes of Canada and how they impact on each other. It examines physical systems and inter-relates these with man-made structures and systems. It involves environmental issues which are currently pertinent to the lives of Canadians. Geographic understandings and skills are integrated throughout the course.

## CANADIAN HISTORY 122

Canadian History 122 is a study of post-Confederation with an emphasis on the $20^{\text {th }}$ Century. The curriculum is organized by outcomes in four units: MacDonald Era: Expansion and Consolidation; 1867-1896, Canada's Century Begins: 1896-1920, New Challenges and New Ideas: 1920-1945, Canada and the Global Community; 1945 Present. There is an emphasis on a selection of themes including English-French relations, First Nations, Continentalism, Regionalism, Canadian Identity and social themes. The roots of these themes should be woven into the post-Confederation study. Modern History 111/2 or Canadian History 120 or FI Modern History 112 is recommended as a prerequisite for Canadian History 122.

## CANADIAN LITERATURE 120

This course is intended to promote an interest in important Canadian literature and other creative texts. The course is for students who have successfully completed Grade 10 English Language Arts, who demonstrate an interest in literature and deconstructing texts, and who wish to explore Canadian identity through a variety of literary texts worthy of study and appreciation. It is inquiry-based and offers opportunities to examine and appreciate a rich literary heritage featuring texts, written/created in or about a social, a political and/or a cultural
time which provide a snapshot of a time and place in Canada. The goal of the course is to examine texts in a way which will launch a life-long appreciation for Canadian writing/creation and for students to view themselves as contributors to and participants in the Canadian literary tradition. Suggested units of study include: the power of story; Canadian novel study; forces that impact the Canadian literary landscape; and an independent project.

## CHEMISTRY 111

Chemistry 111 is recommended for students who may be pursuing science or engineering at the university level. Students choosing this course should have a genuine interest and a better than average ability in science and mathematics. The teaching method emphasizes laboratory experiences, teacher demonstrations and videos. Students will be expected to engage in individual projects and research. Topics covered will be the same as those for Chemistry 112, but the depth of coverage will be greater.

## CHEMISTRY 112

Chemistry 112 emphasizes learning chemistry through the scientific method. The experiments are designed so that students make observations and draw conclusions which lead directly to important chemical principles. Students will be expected to draw on the knowledge and skills gained in Science 10. Topics include: matter and energy in chemical change, matter as solutions and gases, quantitative relationships in chemical changes, chemical bonding in matter and some organic chemistry.

## CHEMISTRY 121

Chemistry 121 is recommended for students who may be pursuing science or engineering at the university level. Students choosing this course have a genuine interest and a better than average ability in science and mathematics. Learning is achieved through laboratory experiences, teacher demonstrations and videos. Students will be expected to engage in individual projects and research. Topics included are the same as those for Chemistry 122, but the depth of the coverage will be greater.

## CHEMISTRY 122

Chemistry 122 emphasizes learning chemistry using the scientific method. The experiments are designed so that students make observations and draw conclusions, which lead directly to important chemical principles. Topics include: organic chemistry, thermo-chemical changes, equilibrium, acids and bases, and electrochemical changes.

## CHILD STUDIES 120

This course is a study of "the most significant resource that we possess - children". Child Studies 120 explores how children develop physically, socially, emotionally, and intellectually. Issues are discussed regarding the "quality of life" and human development, "society's basic unit", the family plus parenting skills in our complex, consuming, and technological society. The importance of the need to provide love, continuity and stability, as well as the basic food, clothing, and shelter requirements is addressed. Child Studies 120 includes a variety of human centered experiences from conception through to the development of the school age child. Thus, ongoing observations and experiences with children is an essential part of this program.

## COMPUTER AIDED DESIGN 110

Primarily, this is an architectural drafting course with emphasis placed on the skills and techniques involved with Computer Aided Drafting. As well as spending considerable time on task at CAD stations, students will be involved with developing their planning, sketching, instrument drawing, and work organizational skills. Course content includes plot plans, floor plans, elevations and wall sections. Also included are an electrical and survey drawing unit. Students who seek employment in the drafting industry or who plan to study in post-secondary technology/engineering will benefit from this course.

## COMPUTER ASSISTED MANUFACTURING 110

This course explores the computerized machine control aspect of modern manufacturing methods. This growing technology (CAM) is applied by industries, such as the aerospace, automotive, plastics, and textile industry, to enable production quality and speed required maintaining a competitive edge.

## COMPUTER SCIENCE 110

This course is essentially a study of computer languages. Structured computer programming languages are used to design and implement programs that will solve problems on a computer. The acquired skills will provide a foundation for further studies in computer science or related fields.

## COMPUTER SCIENCE 120

In this course, methods of data handling are integrated with systems analysis and design. Advanced concepts and procedures are presented to provide a more comprehensive understanding of microcomputer usage and applications. The course will include a study of high-level languages, the use of electronic spreadsheets, data base applications and other appropriate computer software. It is a desirable course for students intending to follow a computer science or data analysis program at a post-secondary institution.

## COOPERATIVE EDUCATION 120 (Students must successfully complete an interview to qualify for this two- or three-credit course.)

This course provides a "hands-on" experiential work-based education that extends the learning process beyond the school into the workplace. It is a course that integrates classroom theory with practical experience and learning in the working world. Students are placed in workstations where they are provided with challenging tasks and responsibilities, and they learn by doing. Students spend the equivalent of two or three periods ( 2 or 3 credits) normally on a daily basis, at the workplace. The course is based on a partnership between the school and business/industry, and involves the participation of students, teachers, employers, and employee supervisors. Two new Coop options exist starting in February of 2020. Early Childhood Education Coop will have completed the requirements to work in a licensed early learning and childcare centre and will receive dual credits in Early Childhood 120 and Coop 120 (1 or 2 Coop credits based on enrollment). Long-Term Care Coop will be eligible to be employed in a long-term care facility and will receive dual credits in Health Care 110 and Coop 120 ( 2 credits).

## CULINARY TECHNOLOGY 110/120

The Culinary Technology Program 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 service preparation but focuses on the development of personal skills and knowledge that can be applied to the food service industry. Laboratory experimentation, food preparation and service are an integral part of the program. It gives students life-long learning skills that may be transferable to future training and/or food services employment. Culinary Technology 110 is recommended as a prerequisite for Culinary Technology 120.

## DIGITAL PRODUCTION 120

This is a performance-based course that focuses on the applied use of digital media and explores the appropriate legal and ethical dealings. It is intended to develop digital literacy through a skills-based approach, challenging in terms of its requirements but flexible enough to accommodate students with a wide range of interests and abilities.

## DRAFTING - COMPUTER AIDED GRAPHICS 120

This course is 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. The Universal nature of this form of graphic communication makes this course of interest and benefit to a wide range of students beyond those pursuing a career specifically in the drafting industry or technology/engineering areas.

## DRAMATIC (THEATRE) ARTS 110

Dramatic Arts 110 is an introductory course designed for any student interested in developing skills related to creativity, performance, and production. This course is highly participatory and requires consistent attendance to facilitate the development of collaborative projects and student engagement in new experiences.

## DRAMATIC (THEATRE) ARTS 120

Dramatic Arts 120 is a course that assumes an enhanced level of theatrical experience. Successful completion of

Dramatic Arts 110 is highly encouraged, but not required. In collaboration with their teacher and peers, students are encouraged to direct their learning and decide how to demonstrate the acquisition of skills. Students will collect evidence of learning and expand upon the skills acquired in Dramatic Arts 110.

## EARLY CHILDHOOD SERVICES 110

Early Childhood Services 110 helps students understand the role of the caregiver as well as the parents in a child's development. The theory in Early Childhood Services 110 best applies to the age group infancy to two years old. It prepares students for entry-level jobs in the childcare profession through knowledge of physical, social, emotional and intellectual development. This course will focus on the skills to prepare young people to work with children. This is a "how to" program applying basic theory to hands on activities including laboratory and/or observation time with children.

## ECOCULTURAL APPROACHES TO ENVIRONMENTAL SCIENCE 120

A virtual course that will be offered starting in February 2020 in partnership with Mount Allison University (MAU). High school students enrolled in SCIE1991 will have the opportunity, based on their success, to earn dual credit for Advanced Environmental Science 120 and SCIE1991 from MAU. Students must be in Grade 11 or 12 and meet the pre-requisite for Advanced ESc120 (one of: Intro ESc120, Bio 112 or Chem 112). High Schools, wishing to enroll students in SCIE1991 may contact Pamela Fowler (pamela.fowler@nbed.nb.ca) for more information. This dualcredit option can be offered to students enrolled in the face-to-face Advanced Environmental Science 120 with their teacher's permission and supervision.

## ECONOMICS 120

Economics 120 provides a basic understanding of our economic system and how it works. The role of Canada's major economic institutions and how they interact is examined. 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.

## ENGLISH LANGUAGE ARTS 11

English 11 is a year-long course that provides a variety of experiences in the language processes of speaking, listening, reading, viewing, writing, and other ways of representing. With an emphasis on Canadian content, students will be exposed to a wide variety of texts representing diverse voices and perspectives (e.g., LGBTQ2S1, neurodiversity, age, gender, ethnicity, religion, and ability). In this course, students will show increasing sophistication in selecting strategies to meet their needs as listeners/readers/viewers and text creators, using reflection and self-assessment to understand what learning processes and strategies work for them.

111/112/113: English 11 is available in three different levels which differ in terms of pace, scope, and text complexity, but all students work towards achieving the same curricular outcomes. English 111 is an enriched course designed for students whose aptitudes and interests in language/literature are above average. English 112 is appropriate for students who are intending to pursue post-secondary academic study (as is English 111). English 113 prepares students for college entry or the world of work.

Additionally, some schools may offer English 11 as two separate courses, namely English 11 Literary Texts and English 11 Informational Texts. Students must compete both of these courses in order to meet the graduation requirement.

## ENGLISH LANGUAGE ARTS 12

English 12 is a one-semester course that provides students opportunities to meet their learning needs by listening to, viewing, reading, and discussing a wide range of complex and sophisticated texts, representing a variety of voices and perspectives (e.g., LGBTQ2S1, neurodiversity, age, gender, ethnicity, religion, ability). Students will demonstrate increasing sophistication in selecting strategies to meet their needs as listeners/readers/viewers and text creators, using reflection and self-assessment to develop their understanding of the learning processes and strategies that work for them when creating a variety of texts. This course includes a focus on Canadian content,
and allows for students to enhance their enjoyment, learning, and personal understanding while working collaboratively and independently.
$121 / 122 / 123$ : English 12 is available in three different levels which differ in terms of pace, scope, and text complexity, but all students work towards achieving the same curricular outcomes. English 121 is an enriched course designed for students whose aptitudes and interests in language/literature are above average. English 122 is appropriate for students who are intending to pursue post-secondary academic study (as is English 121). English 123 prepares students for college entry or the world of work.

## ENTREPRENEURSHIP 110

Entrepreneurship education provides learning with experiences that accelerate the need for students to accept greater responsibility to acquire knowledge, skills, and attitudes that will contribute to their future success. The entrepreneurial process, as outlined in this course, encourages a strong connection between theory and action. This course promotes experiential learning and recognizes the importance of nurturing an entrepreneurial spirit for personal and group success in and beyond the context of entrepreneurship.

## FAL (FRENCH AS AN ADDITIONAL LANGUAGE) 110 \& 120 (A1.1)

This course for beginners will enable students to acquire essential French skills in the areas of listening, speaking, reading, and writing, with a particular focus on building foundational literacy and communicative skills. In addition, this course provides the opportunity for students to learn common social interactions and the skills required to meet immediate needs.

## FASHION DESIGN 120

Fashion Design 120 will provide opportunities for each student to develop an understanding of the World of Fashion and the fundamentals of the fashion design process. The evaluation of fashion and its' relationship to societal change in the past, present and future, as well as the role of the fashion industry and its relationship to the Canadian economy will be addressed. Fashion illustration and creativity through a textile media will be practiced. Sketching, computer aided drafting; surging and sewing are all elements of this course. Fashion Design 120 is designed for students who plan to undertake studies related to the world of fashion and students who wish to expand their knowledge of the fashion industry.

## FASHION TECHNOLOGY 110

This course is designed to introduce and prepare students for possible careers in the fashion industry. It deals with the history of the Textile Apparel industry, characteristics and construction of fabrics, careers available and the skills required, plus basic construction and product assembly with the use of technology.

## FASHION TECHNOLOGY 120

This course is designed to provide an educational program that bridges student's goals with industry needs. This is accomplished by providing essential theoretical education with a focus on developing skills related to communication, promotion and entrepreneurial opportunities, as well as expanding on the skills previously developed in Fashion Technology 110. Fashion Technology 110 is recommended as a prerequisite for Fashion Technology 120.

## FINANCIAL AND WORKPLACE MATHEMATICS 110

This course is the first of two courses designed for entry into many trades and technical programs, and 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 110 to complete graduation requirements. This is a pre-requisite for Financial and Workplace Mathematics 120.

## 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 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. Financial and Workplace Mathematics 110 or Foundations of Mathematics 110 can serve as a pre-requisite for this course. Financial and Workplace Mathematics 120 completes the Financial and Workplace pathway.

FI BIOLOGY 112
See course description for Biology 112.

## FI CANADIAN HISTORY 122

See course description for Canadian History 122.

## FI INTRODUCTION TO ENVIRONMENTAL SCIENCE 120

See course description for Introduction to Environmental Science 120.

## FI LANGUAGE ARTS 110, 120

The French Immersion Language Program uses a multi-dimensional approach to the teaching and learning of a second language. These courses emphasize the use of the language as an instrument for communication and reflection and a factor in students' personal development. A variety of communication activities related to students' experiences have been designed to help them improve their linguistic skills. The study of literature is an integral part of the courses. FI Language Arts 110 is recommended as a prerequisite for FI Language Arts 120.

## FI MODERN HISTORY 112

See course description for History 11.

## FI RELATIONS FAMILIALES 120

See course description for Individual and Family Dynamics 120.

## FI TOURISM 110

See course description for Tourism 110.

## FI WORLD ISSUES 120

See course description for World Issues 120.

## FOUNDATIONS OF MATHEMATICS 110

This course is the first of two courses the second being Foundations of Mathematics course in Grade 12, providing a pathway designed for entry into academic programs not requiring pre-calculus. It is also a prerequisite for the pre- calculus pathway. 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.
Students have a choice of this course or Financial and Workplace 110 to complete graduation requirements. This course is recommended as a pre-requisite for Foundations of Mathematics 120 or Financial and Workplace 120. It is also recommended as a pre-requisite or co-requisite for Pre-Calculus110.

## FOUNDATIONS OF MATHEMATICS 120

This is the second of two courses in the Foundations of Mathematics pathway designed for entry into postsecondary 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. The prerequisite recommended for this course is Foundations of Mathematics 110. This course completes the Foundations of Mathematics pathway.

## 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 include interpretation of the National Building Code, blueprint reading, estimating and material layout.

## GOALS, GROWTH, AND GRIT 120

Goals, Growth, and Grit: Skills for Success 120 will provide students with skills in three main areas - positive and productive mindsets and behaviors, organizational patterns, as well as functional and critical literacy. Within the broad learning expectations of the course, specific success skills, strategies, and practices will be explored. Students will be supported to apply and transfer these skills, strategies, and practices to other courses and real-life situations. Students will learn how these support postgraduate pursuits.

## GRAPHIC ART AND DESIGN 110

Graphic design is the creative planning and presentation of visual communication to attract attention or communicate effectively. The course promotes the skills and knowledge that are necessary to understand and develop images, signs, symbols, logos, etc. that communicate a message or value. The development of visual communication skills is assisted by technology.

## HEALTH CARE 110

This exploratory course introduces students to concepts and skills related to health care and the health care system. Students will learn how the Canadian health care system works and will introduce various medical professional that work within the system. Students will learn what it takes to be a professional within the different healthcare occupations; will discover the rights are of a health care consumer; will develop an awareness of related environmental and societal issues; and will begin to explore secondary and post-secondary pathways leading to careers in the field.

## HOSPITALITY AND TOURISM 110

The Hospitality and Tourism industry is a rapidly growing industry. This course will provide students with lifelong learning skills that are transferable to future learning and/or the hospitality and tourism industry. The student will acquire career information, skill development and the talents for employment. This course relies on resourcebased learning, practical experiences, and access to resource people and information that will help the individual in his/her career choice. Topics include the four main sectors of the tourism industry, influences on the tourism industry, personal and interpersonal skills regarding career opportunities available, travel industry and marketing strategies.

## HOUSING AND INTERIOR DESIGN 120

Housing and Interior Design 120 is designed to show the relationship between different types of housing and the housing needs of individuals, families and communities. The influences of cultural, psychological and aesthetic aspects of housing are examined. The value of creativity and individuality in a living environment is an important element of the course. Course topics span factors including housing in various cultures, historical and modern trends in housing and lifestyles needs, financial and legal costs and requirements, basic floor plans and
arrangements, plus the principles and elements of design. This course would be of interest to students interested in the field of architectural design, drafting or Home Economics.

## HUMAN PHYSIOLOGY 110

Human Physiology 110 is designed to appeal to a wide range of learners including students for whom this will serve to fulfill their science graduation requirement and students who will take additional science courses. A study of Human Physiology will be relevant to every student, providing them with the tools they will need to make informed choices about their own health and that of others. It will also be relevant to those students who will be going on to careers in the social sciences, health care and medicine. This course focuses on the biology and healthy functioning of all of the major human body systems and how wellness can be compromised by struggles with mental and social health, lifestyle choices and disease.

## HUMAN SERVICES 110

The overall aim of Human Services is to increase students' awareness of the importance of human service work. Inclusive communities and an aging population are creating many opportunities in the human service field. This course will develop work-related competencies and explore post-secondary learning, innovations and careers in the human service industry.

## IDEA CENTRE

Housed at NBCC Moncton and staffed by an ASD-East teacher, the IDEA Centre offers students an immersive experience-based opportunity to earn high school credits in a co-op style program designed to develop studentled businesses.

## INDIGENOUS STUDIES 120

This course covers topics such as Treaties, Residential Schools, New Brunswick First Nation Communities, Legislation and Policy Impacting First Nations, Post-Colonization: De-mythologizing Popular Culture; Reconciliation: National Inquiries in Canada; The UN Declaration of Indigenous Rights: Calls for Action; First Nations and Global Conflicts. There will be one project per term- one will focus on Contemporary Issues- the other on a First Nations Soldier Biography.

## INDIVIDUAL AND FAMILY DYNAMICS 120

The overall aim of Individual and Family Dynamics 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. Individual and Family Dynamics 120 has been designed for students who plan to undertake further studies in this field and those who wish to expand their knowledge of family studies.

## INFORMATION TECHNOLOGY 120

This course prepares students for the electronic office by teaching the manipulation of applications software. Data base management, spreadsheets, file handling, printer manipulation, word processing, electronic accounting, and electronic storage and dissemination of information are included.

## INTERMEDIATE MI'KMAW 110

This is an intermediate level language course with an emphasis on conversational skills. Students will learn and practice language through conversations, games and written assignments. By the end of this course, students will have a general understanding of the nature and function of the Mi'kmaw language that will enable them to communicate using the language. Students will also develop an understanding and appreciation of the Mi'kmaw language as an expression of a distinctive culture.

## INTERMEDIATE WOLASTOQEY 110

This is an intermediate level language course with an emphasis on conversational skills. Students will learn and practice language through conversations, games and written assignments. By the end of this course, students will have a general understanding of the nature and function of the Wolatoquey language that will enable them to communicate using the language. Students will also develop an understanding and appreciation of the Wolatoquey language as an expression of a distinctive culture.

## INTERNAL COMBUSTION ENGINES 110

This course is a study of the operation of the internal combustion engine including the construction, theory of operation and function of its systems. Students disassemble and assemble engines, checking, servicing and repairing components and systems. Emphasis is placed on the development of basic skills essential for persons entering the motor vehicle service trades and other allied occupations. This course should be of interest to students interested in entering or learning about the opportunities and requirements of the motor vehicle service industry and students with a general interest in mechanics.

## INTRODUCTORY MI'KMAW 110

This is a beginner's level language course with an emphasis on conversational skills. Students will learn and practice language through conversations, games and written assignments. By the end of this course, students will have a general understanding of the nature and function of the Mi'kmaw language that will enable them to communicate using the language. Students will also develop an understanding and appreciation of the Mi'kmaw language as an expression of a distinctive culture.

## INTRODUCTORY WOLASTOQEY LATUWEWAKON 110

This is a beginner's level language course with an emphasis on conversational skills. Students will learn and practice language through conversations, games and written assignments. By the end of this course, students will have a general understanding of the nature and function of the Wolatoquey language that will enable them to communicate using the language. Students will also develop an understanding and appreciation of the Wolatoquey language as an expression of a distinctive culture.

## INTRODUCTORY ELECTRONICS 110

This course introduces electronic components such as diodes, transistors, integrated circuits, inductors and capacitors along with basic electronic circuitry. Introductory electronics is application-based using the components and circuitry in such applications as rectification, filtering and amplification. Computer assisted instruction and computer simulation of electrical circuits are an integral part of this course. Introductory Electronics will be of interest to students with a career objective in the electrical occupational area as well as those who plan to continue their education at the technical or engineering level.

## INTRODUCTION TO ACCOUNTING 120

This course is ideally suited for students who wish to pursue business studies at post-secondary institutions. It introduces the student to accounting procedures, concepts, and applications. Course topics include nature of business, accountancy as a career, bookkeeping procedures, accounting cycle and theory, subsidiary ledgers, accounting and inventory control systems, payroll, adjustments, accruals, partnerships, corporations, statement analysis, and electronic accounting through recommended software packages.

## INTRODUCTION TO APPLIED TECHNOLOGY 110

Students will complete a series of projects from the areas of Woodworking, Motor Mechanics, Plumbing, Drywall Repair, Electrical, Manufacturing and Construction. All projects will be done in groups except for woodworking. There will be a series of tests, a mid-term and an exam. Evaluation will consist of $70 \%$ hands on and $30 \%$ tests and exams.

## 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.

## JOURNALISM 120

Journalism 120 emphasizes the role of a journalist to bear witness, to document, and to provide a narrative of the daily life of a society and the world. As such, the course will give students an opportunity to develop an understanding of the importance of well-informed, literate citizens to maintain a democratic society. Journalism 120 is inquiry-based, with four suggested over-arching units of study: Accountability; Propaganda, Sensationalism, News; The Craft; and The Medium and the Message. It offers opportunities for students to think critically, work cooperatively and collaboratively, discuss and deconstruct relevant issues, research, write persuasively, and understand news values. Students will publish in specific journalistic formats and develop a journalism portfolio. The portfolio will include print, broadcast, and/or electronic performance products.

## 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 contracts. Actual case studies are used to illustrate situations within these areas of law.

## MEDIA STUDIES 120

Media Studies 120 offers students opportunities to experience and respond to many forms of media. It explores the impact and influence of mass media and popular culture by examining a number of current, emerging, and iconic text forms such as films and television shows, songs and advertisements, sports and games, packaging and clothing, online and offline information sources, as well as blogs and social networking sites. By coming to understand how and why media texts are constructed, produced, and disseminated, students will develop the skills needed to respond to these texts intelligently and responsibly when they encounter them. The suggested units of study for this course include media literacy- foundational knowledge; film, television, and video; advertising, marketing and you; media and the internet; and a self-directed study project. This organized study of the mass media increases students' critical judgement, their awareness of the global village and its values, and their place in society at the same time as it promotes open-mindedness, effective communication, and organizational skills through repeated opportunities to view, listen, speak, read, write, create, and represent.

## METALS FABRICATION/WELDING 110

Metals Fabrication 110 presents opportunities for students to use math and science in relevant and interesting ways. This production-orientated course integrates concepts of appropriate material selection, significance of design, appropriate levels of precision, and the necessity to learn and adhere to safe practices when using hand tools and stationary equipment. This course encourages students to use and develop the right side of the brain (expressive and creative side) while incorporating the analytical skills required to design and build products. Students will learn skills required to manipulate hand tools and stationary equipment, in addition to precision skills and opportunities to practice creativity.

## METALS PROCESSING 110

This course is a study of standard machine shop processes used in the manufacture of metal products. Proper operating instruction will be given on a variety of machine tools and the development of basic skills needed to use electric-arc and oxyacetylene welding and cutting processes. 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 interested 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

This course allows students to continue to explore the processes used in the manufacture of metal products.

## MILL AND CABINET WORK 120

This is a finish woodworking course in which students will develop the necessary skills, knowledge and work habits required to construct cabinets and other miscellaneous mill work 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 for those with a general interest in woodworking.

## MODERN HISTORY 111

Modern History 111 is an enriched, in-depth thematic study of Modern European History, examining the following revolutions: the Liberal Revolutions of 1848, the French Revolution, the Industrial Revolution, the Communist Revolution, and the National Socialist Revolution.

## MODERN HISTORY 112

Modern History 112 is a rigorous study of the evolution of the peoples of the west during the nineteenth and twentieth century and their widening involvements in global issues. The course describes the rise of nationalist and socialist movements, the international connections growing out of the World Wars and the Cold War era, and the widening global contacts of the contemporary world.

## 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 1920's and 30's, World War I, World War II, and the Cold War.

## MUSIC 112

The course consists of three major outcomes that require students to demonstrate achievement in performing music, in the application of theoretical and aural skills and concepts, and in understanding music in a historical context. The course lists a series of performance indicators that will assist in determining the course level.

## MUSIC 122

The Music 122 course is designed for the advanced and serious student of music who wishes to pursue the subject as an avocation or who may be interested in further studies at the post-secondary level. The course assumes an advanced level of musical literacy, good aural skills, a sound theoretical background, knowledge of historical styles and forms and an interest in improving upon and expanding their areas of musical knowledge and expertise. Students may enter Music 122 by passing Music 112, or have private study equivalent to grade 6 practical and grade 2 theory by the Royal Conservatory of Music or equivalent.

## MUSIC 120

This course has been designed to encourage research, presentations, discussions and musical learning in and about a variety of different world music. The outcomes and activities of the course focus on the need for students to: demonstrate an understanding of the importance of music to a wide variety of peoples and cultures; demonstrate musical growth through creating and performing musical examples in a variety of styles; using available resources including current technology; demonstrate research and presentation skills related to music and culture; demonstrate an understanding of music and its relationship to other art forms and influences.

## NBCC SKILLED TRADES AND WORK-READY MATH 12

This course is intended to strengthen in-context mathematics skills and instill confidence before entering a postsecondary skilled trades program or workplace. Students will become proficient with accuracy and precision, work
with measurement tools, and use both Imperial and S.I. units. This course is available as an NBCC credit, if students successfully complete the NBCC Math Foundations 1208 assessment.

## NETWORKING 110

Topics include: how a network works, IP Addresses, Routers, Network Configuration, Network Standards, LANS, WANS, Online Course work. This course can be used as the first step to a professional qualification of CCNA.

## NUTRITION FOR HEALTHY LIVING 120

This course studies the science of food relating to Canada's Food Guide and the relationship between food, nutrition and wellness. It emphasizes the decision-making process concerning the use of both human and nonhuman resources required for safety and sanitation, dietary planning, food preparation and the concept of nutritional wellness. Nutrition issues are discussed regarding food on a global and regional level, food trends and lifestyles, eating disorders, and new food technologies. Hands on laboratory experiments provide an integral part of this program.

## OUTDOOR EDUCATION 110 (FORMERLY OUTDOOR PURSUITS 110)

The course will develop personal outdoor recreation skills based on environmental ethics. Students must satisfy a requirement to complete a series of out-trips that may be day-trips, overnight excursions or extended trips. The course will take advantage of local outdoor access and could include camping, hiking, canoeing and other outdoor adventure activities. Students must be prepared to plan, lead and evaluate out-trip experiences from personal and group dynamics perspectives. Physical Education 9/10 is recommended as a prerequisite for Outdoor Education 110.

## PERSONAL INTEREST 1 AND 2

These courses promote learner agency and support personalized learning. They are designated to provide students with the time, opportunity, and resources to develop and pursue individual interests. The programming for these courses will be designed by the student with the support of their teachers and/or other mentors in the school or community (local/global). Examples include: a Capstone Project (local or community action), an in depth study in a specific problem, the study of and support to the Calls to Action in the Truth and Reconciliation Recommendations, development of a relevant skill set or methodology such as project management, time to pursue a life skill such as financial literacy or an additional language, or to perfect a particular gift or talent that increase personal wellbeing. Assessment for the completion of this course will be outlined as part of the course design and will be based on the " 1 " statements for the global competencies. The second section of this course may be an extension to or deepening of the learning in the first course, or it may be an entirely different course. Resources for this course will be accessed through the school, the community or through grants and accessing these resources will be part of the learning process.

## PHYSICAL EDUCATION LEADERSHIP 120

Physical Education Leadership 120 is an elective course for qualified students. This course develops leadership skills through involvement in physical activities. The class is subject to a limited enrollment. This course requires a minimum commitment of 30 volunteer hours in the area of leadership. Themes include management, teaching, coaching, officiating, first aid, and organizational planning and leadership theory

## PHYSICS 111

Physics 111 utilizes the discovery approach. Students who choose this course must have a genuine interest in science and a better than average achievement in both science and mathematics. The student employs the scientific method in gathering experimental data. Students will be expected to design, and conduct experiments to deepen their learning. Topics covered will be the same as those in Physics 112, but the depth of coverage will be greater.

## PHYSICS 112

Physics 112 includes the following topics: wave motion, sound and light, one dimensional motion and forces, momentum, and mechanical energy. This course is designed to engage students in relating physics concepts to
societal contexts and applications. It may be taught from context to concept or the reverse sequence. A studentcentered approach to theoretical and practical investigations is the basis of this curriculum. Information from a variety of sources is encouraged.

## PHYSICS 121

Physics 121 utilizes the discovery approach. Students who choose this course must have a genuine interest in science and a better than average achievement in both science and mathematics. The student employs the scientific method in gathering experimental data. Students will be expected to design, and conduct experiments to deepen their learning. Topics covered will be the same as Physics 122 , but the depth of coverage will be greater.

## PHYSICS 122

Physics 122 includes the following topics: two-dimensional motion and forces, momentum, circular motion, universal gravitation, and electricity. As with Physics 112, each of these topics is studied in its societal context. Student experiences should include library research, laboratory investigations, and multi-sources of information including print, software, video and guest speakers. Emphasis is placed on student-centered activities.

## POLITICAL SCIENCE 120

Political Science 120 is an introductory political science course designed to develop an understanding of various political ideologies and systems, as well as the ability to assess the merits of each and to make comparisons, particularly with respect to Canadian systems.

## POST INTENSIVE FRENCH 112, 122

The Post Intensive French Language program offers a multi-dimensional approach to the teaching and learning of a second language. These courses cover the language skills necessary for effective communication in French in daily situations. They are designed for students who wish to broaden their communicative ability in the second language. Post Intensive French 112 and 122 are not appropriate for students with a background in French Immersion. Post Intensive French 112 is recommended as a prerequisite for Post Intensive French 122.

## POWER TRAIN AND CHASSIS 110

This course is designed to develop skill and knowledge in the service and maintenance of the automobile chassis and power train. Emphasis is placed on the function, repair and replacement of components. Topics include spring and shock assemblies, brakes, steering, wheel bearings, tires, transmissions, differential and drive lines. Students interested in the motor vehicle service industry could benefit from 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, 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 ( $0^{\circ}$ to $360^{\circ}$ ) 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 recommended as a pre-requisite for Pre-Calculus A120.

## PRE-CALCULUS 120A

This course follows Pre-Calculus 110 and precedes or is concurrent with Pre-Calculus 120B. 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 120B

This course follows or is concurrent with Pre-Calculus 120A 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. These functions along with those studied in previous math courses are used to build a function tool kit. Problems are solved using the fundamental counting principle, permutations, combinations and the binomial theorem. Students explore and analyze limits as $x$ approaches a certain value and left and right-hand limits using correct notation. The continuity of a function and limits which involve infinity are also investigated. Pre-Calculus 120A is a pre-requisite for this course. Pre-Calculus 120B is a pre-requisite for Calculus 120.

## READING TUTOR 120

This course is offered to provide students at the Grade 12 level an opportunity to experience the role of a literacy tutor. This role encompasses some of the skills of literacy teachers and, as such, the students in the course will be exposed to the profession of teaching as they deliver literacy support to students anywhere from grades two to nine. In this way, the tutors receive course credit while the students receive assistance with reading. While the teachers of this course coordinate the program, as well as provide the necessary training and support, the students in this class will also conduct research into best practices for literacy instruction and will work in pairs or teams to design an individual literacy program for a student experiencing difficulties in the regular classroom. This will involve critical thinking and problem-solving skills, teamwork and collaborative skills, leadership and project management skills, as well as skill in communication, self- direction, professionalism, and work ethic.

## RESIDENTIAL FINISH 120

This course examines the work required to finish a family dwelling once it is framed-in. Topics covered include insulation, wall cladding, doors, windows, cornice trim and roof covering. Students will study these topics both in theory and through practical project work. This course should be of interest and value to those students interested in pursuing a career related to the residential construction industry.

## ROBOTICS AND AUTOMATED TECHNOLOGY 120

This course explores the fields of robotics and automation. Through the use of experimentation labs, students will learn and apply various automation concepts such as logic programming and the integration of technologies including pneumatic, electrical, mechanical, and computer. Students will develop valuable technology skills in the areas of design, technical writing and communication, and systematic approaches to problem solving and trouble- shooting. Students in this course will construct simulations and models of robot and automation processes using industrial types of equipment and computer simulation software. The knowledge and skills developed in this course would be an asset to any student who will at some point become involved in processing or manufacturing whether at the entrepreneurial, administration, engineer, technologist, or technician level.

## SCIENCE 122

This course will include the study of magnetism, electromagnetism, force fields and their application, atomic and nuclear structure, redox reactions, and electrochemistry. The course is designed for students preparing for studies in post-secondary science. Prerequisites recommended for Science 120: Chemistry 121/2, Physics 111/2, or Physics 121/2.

## SOCIOLOGY 120

Sociology 120 gives students a concrete examination of Canadian society from a sociological perspective.
Students will be better able to understand the society in which they live with regards to human relationships, how individuals act, react and interact within social contexts, as well as compare other societies.

## SPANISH 110

Spanish 110 is a beginner's guide to the Spanish language. Students learn the basic elements of the language and Hispanic culture through an interactive tutorial. They have opportunities to practice and expand on this knowledge through live, online group sessions. The themes of this course have been selected with the interests of the young adult learner in mind. A term project is completed with the help of a virtual partner. Please note that there is a Spanish 120 course available for those who have already taken Spanish 110. Please see your Guidance Counselor if you wish to be considered for this course.

## SPANISH 120

Spanish 120 will require students to improve their knowledge and ability level in the language. This will be accomplished by engaging students in the exploration of the Hispanic culture through the areas of travel, fashion and music. Over the course of the term, students will be required to engage in various online group sessions and be expected to complete projects with a virtual partner.

## TECH SUPPORT 110

This course deals with the topics of hardware and software configuration, and systems issues. Although there is no specific prerequisite, students registering in this course should already have some background in computers. Course content includes operating systems, hardware configuration, and installation.

## TECHNIQUES DE COMMUNICATION ORALE / CONVERSATIONAL FRENCH 110 \& 120

This is a practical course that is designed to increase learner confidence when speaking and interacting through the authentic use of the French language. While it contains elements of reading and viewing (15\%), as well as writing (15\%), the primary purpose of the course is to promote the development of oral competencies (70\%). These skills include oral comprehension (listening), oral production (self-expression), and oral interaction (taking part in conversation). It is aligned with the Common European Framework of Reference (CEFR) and will be available to all high schools either in person or through the online platform (D2L Brightspace).

## THREE-DIMENSIONAL STUDIES 120

This course is an extension to the experience gained in visual Arts 110. Using the human form as a foundation, the course explores various techniques of additives, subtractive, and assemblage sculpture. While developing technical skills the students will work with a variety of materials such as clay, wood, plaster, and stone. The aim of the course is to provide students with an in-depth study of sculpture, pottery, and mixed media techniques. In addition to the application of sculptural techniques and processes, students will study the recent history ( $20^{\text {th }}$ Century) of three-dimensional form.

## TUNE-UP AND EMISSIONS 120

This course is designed to provide students with a practical approach to diagnosing, servicing, and repairing of automobile fuel and emission systems and to performing engine tune-ups.

## VISUAL ARTS 110

Visual Arts 110 builds on the experience and knowledge gained in Visual Arts 9/10. The studio work remains in the areas of drawing, painting, printmaking and 3-dimensional work and stresses personal expression and the development of individual imagery and there are further requirements in art criticism and art history.

## VISUAL ARTS 120

Visual Arts 120 is designed for students who wish to pursue art related courses or careers. Students work through a review of skills and concepts and choose blocks that lead to advanced work on a particular medium. Students are required to critique, in writing, aspects of process and product.

## VISUAL ARTS PORTFOLIO 120

This course follows the guidelines of Visual Arts 120 and provides the opportunity for completing a portfolio for students who are planning post-secondary studies in this area. Students cannot take this course and Visual Arts 120. This course will only be available to students who have prior approval.

## WELLNESS THROUGH PHYSICAL EDUCATION 110

The goal of Wellness through Physical Education 110 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, personal training, etc.). The course offers a range of learning experiences for students that encourage healthy active living but are not sport specific. Students will 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. The curriculum includes a practical activity-based segment (approximately $60 \%$ ) as well as a classroom component (approximately 40\%). This course follows Grade 9/10 Physical Education.

## WORLD ISSUES 120

World Issues 120 examines various 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. Various issues are examined to acknowledge the fact that events in any part of the World have a reverberating effect.

## WRITING 110

Writing 110 is intended to encourage students to practice and experiment with the English language in written form. The course offers students opportunities to reinforce and enrich their writing skills through processes where exploring, drafting, revising, editing, sharing, and reflecting are encouraged. Students will enter the course with varying skill levels; participation in classroom activities, in teacher and peer conferences, as well as in individual growth in writing will be considerations in evaluation.

