



School District 2

COURSE SELECTION HANDBOOK HIGH SCHOOL 2012 - 2013

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**SCHOOL DISTRICT 2 MISSION:
OUR MISSION IS TO ENABLE OUR STUDENTS TO BE RESPONSIBLE MEMBERS OF
SOCIETY BY PROVIDING QUALITY PUBLIC EDUCATION.**

Introduction

School District 2 is proud of the strong academic and extra-curricular programs offered at our high schools. The students in School District 2 have the opportunity to choose from a wide variety of courses and programs of study that provide the necessary competencies for success in post secondary education and in the work world of the 21st Century.

This brochure has been developed to assist parents and students make an informed decision with regard to high school course selection; it includes graduation requirements, second language proficiency levels, course listings and descriptions, as well as a variety of options for students.

Parents and students are encouraged to contact the schools' guidance counselors to address any concerns or questions with regard course selection, graduation, and career planning.

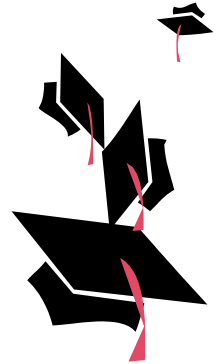


GRADUATION REQUIREMENTS FOR NEW BRUNSWICK HIGH SCHOOL STUDENTS

For School Year

2012/2013

- 17 Credits (including compulsory credits) are required.
- 7 Compulsory credits, of the 17 required, must include the following:
 - ◆ English 111, 112, 113 (one of) for 2 credits
 - ◆ English 121, 122, 123 (one of)
 - ◆ Financial and Workplace Mathematics 11 or Foundations of Mathematics 11
 - ◆ Modern History 112/113 or FI Modern History 110
 - ◆ Science: One of Biology 111, 112, 113, Chemistry 111, 112, Environmental Science 120, Physics 111, 112, Physics 121,122, Physical Geography 110, Introductory Electronics 110, Micro Electronics 120, Auto Electrical Systems 120, Robotics and Automated Technology 120
 - ◆ Fine Arts **Or** Life Role Development (one of)
 - Visual Arts 110
 - Music 112
 - Theatre Arts 120
 - Reading Tutor 120
 - Fine Arts 110
 - Family Living 120
 - Co-op Ed 120
 - Outdoor Pursuits 110
 - Health and Phys. Ed. 120
 - Entrepreneurship 110
 - Graphic Arts and Design 110
- English and at least four other subjects must be taken at the “12” level.
- *Successful* English Language Proficiency Assessment is required. All students in NB write the English Language Assessment in Grade 9. Students must achieve a score of acceptable or better on both the Reading and Writing parts of the Assessment to receive a NB High School Diploma. Students who score unsuccessful in Grade 9 have the opportunity to rewrite in their Grade 11 year. Candidates will continue to be provided with support in their Grade 10 year and the opportunity for a diploma by re-writing the English Language Proficiency in Grade 11 and if necessary, again



CERTIFICATE OF SECOND LANGUAGE PROFICIENCY

High school students, following a second language, in their Graduation Year are eligible for a Certificate of Second Language Proficiency. In order to receive this Certificate, students must take an oral proficiency interview in grade 12. Only students taking a grade 12 French or French Immersion course will be tested, otherwise the cost will be \$40. The Certificate will state that the student achieved a certain level of proficiency as defined by the Department of Education. The Language Proficiency Interview allows students to demonstrate mastery of spoken French in a face-to-face situation with a trained language interviewer.

The interview is designed to test in the areas of pronunciation, grammatical accuracy, vocabulary, fluency, and listening comprehension. The interview produces a single, overall language proficiency score based on a scale which can go from "Not Ratable" to "Superior".

Some scores may have a plus, such as "Basic Plus" or "Intermediate Plus". The plus indicates that the level of proficiency is higher than the level shown, but not high enough to warrant being included in the next level.

Description of Levels of Language Proficiency

Not Ratable: No functional ability in the language.

Novice: Able to satisfy immediate needs using rehearsed phrases. No real autonomy of expression, flexibility or spontaneity. Can ask questions or make statements with reasonable accuracy **only** with memorized phrases or formulae. Vocabulary is limited to areas of immediate needs. Attempts at creating speech are usually unsuccessful.

Basic: Some creation with language is evident. Is able to satisfy minimum courtesy requirements and maintain very simple face-to-face interaction with native speakers used to dealing with second language learners. Almost every utterance contains fractured syntax and grammatical errors. Vocabulary is adequate to express most elementary needs.

Basic Plus: Able to initiate and maintain predictable face-to-face conversations and satisfy limited social demands. Shows spontaneity in language production, but fluency is very uneven. Range and control of the language is limited.

Intermediate: Able to satisfy routine social demands and limited work requirements. Can handle with confidence but not with facility, most social situations, including introductions and casual conversations about current events, as well as work, family and autobiographical information. Can give directions from one place to another. Has a speaking vocabulary sufficient to respond simply with some circumlocutions; accent, though often quite faulty, is intelligible; can usually handle elementary constructions quite accurately but does not have thorough or confident control of grammar. In complex situations, language usage generally disturbs the native speaker.

Intermediate Plus: Able to satisfy most work requirements and show considerable ability to communicate on concrete topics relating to particular interests and special fields of competence. Often shows remarkable fluency and ease of speech, yet under tension or pressure language may break down. Generally strong in either grammar or vocabulary but not both. Normally controls general vocabulary with very little groping for every day words. Is able to participate in most formal and all informal conversations on practical, social and professional topics, although comprehension may be faulty at times.

Advanced: Able to speak the language with sufficient structural accuracy and vocabulary to participate effectively in most formal and informal conversations on practical, social and professional topics. Knowledge of vocabulary is broad enough that the speaker rarely has to grope for a word; accent may be obvious. Control of grammar good; errors virtually never interfere with understanding and rarely disturb the native speaker. Comprehension is quite complete.

Advanced Plus: Able to speak the language with sufficient structural and lexical accuracy that participation in conversations in all areas poses no problem. Accent is still faulty, and the speaker occasionally exhibits hesitancy, which indicates some uncertainty in vocabulary or structure.

Superior: Able to use the language fluently and accurately on all levels normally pertinent to professional and participate in any conversation within the range of personal and professional experience with a high degree of fluency and precision of vocabulary. Accent is good, but the speaker would rarely be taken for a native speaker.

INDEPENDENT STUDY

RATIONALE

Independent study courses are intended to encourage students to take more responsibility for their learning and to acknowledge this through the granting of a credit.

GUIDELINES

Available to:

- Any student who has successfully completed the Year 9 and Year 10 programs and who can arrange regular supervision of a project with a teacher.
- Only one independent study may be taken.

PROCESS

- Students will select a topic or subject of particular interest to them that will enrich their learning experience.
- They will develop a short rationale and an outline of their intended work.
- They will present the above to a teacher knowledgeable in the chosen area or topic.
- The teacher and student will agree on:
 - the nature and extent of the study
 - how knowledge and research are to be demonstrated
 - an assessment and evaluation plan
 - the frequency of their meetings
 - their roles and responsibilities
- The teacher will assign a mark that will be recorded on the student transcript.

Note:

The application form for an Independent Study must be completed no later than the second week in the semester in which the intended study is to be taken.

DISTANCE EDUCATION

A growing number of courses are being made available on-line to New Brunswick students. See your school Guidance Counsellor for more information. https://vpn-rpv4.nbed.nb.ca/dana-na/auth/url_2/welcome.cgi



CHALLENGE FOR CREDIT

RATIONALE

Challenge for Credit is an opportunity to recognize prior learning and to acknowledge this through the granting of one or more credits.

GUIDELINES

Available to:

- Any student who is in grade 11 or 12 and is currently enrolled in a New Brunswick high school.
- Students who, outside school, have met all the outcomes of a course. Courses that have a strong focus on interpersonal and group activity outcomes will require evidence from the student that these have been met.

Available in:

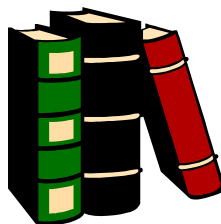
- Any prescribed course in the New Brunswick public school system in grades 11 and 12. Pilot and local option courses are not eligible for challenge.
- Any number of courses but limited to two challenge credits for graduation purposes per student - that is, two out of seventeen required for graduation in grades 11 and 12.

APPLICATION

- Students may apply to challenge for credit at any time unless enrolled in the course they wish to challenge.
- If enrolled, student applies *to the principal* in writing prior to or within two weeks of the beginning of a course.
- The application will include clear evidence of appropriate prior outside learning congruent with the learnings required in an identified New Brunswick course and must be supported by at least one pedagogical professional.
- The school principal, in conjunction with the guidance department, one teacher and in consultation with the student and his/her parent(s)/guardian(s) will advise on the validity of the application.

EVALUATION

A panel of three people knowledgeable in the area of the challenge, including one school district professional from outside of the student's school, will determine the most appropriate way to proceed with the challenge. This will include a time-line and will be communicated in writing to the student.



PREPARATION FOR UNIVERSITY ENTRANCE

Students who wish to apply to university following high school graduation should take great care in choosing high school courses for grades 11 and 12. This applies particularly to the 121/ 122 or 120 courses because it is important for students to ensure that their subject choices are acceptable as entrance credits at the universities of their choice. Students must also ensure that they complete a sufficient number of these entrance credits. **It is imperative to check with the universities of your choice, however, a general guideline would be to have a minimum of five such credits for Maritime universities and a minimum of six for Ontario universities. It is an excellent idea to have at least one more acceptable credit than the minimum required.**

The chart below is intended to give students and their parents some **examples** of which high school credits (subjects) are useful in satisfying entrance credit requirements to selected university programs. **Keep in mind these are only suggestions.** University admission requirements will vary among institutions. For further information please refer to the university website or calendar or consult your guidance counselor.

<u>Degree (Bachelor's)</u>	<u>Required Courses</u>
Arts (BA)	English 121/2
Science (BSc)	English 121/2, Advanced Mathematics with Calculus 120, Two out of Biology 12, Physics 12, Chemistry 12 (UNB requires Chemistry 12 and Physics 12)
Commerce (B. Com) Business Administration (BBA)	English 12, Advanced Mathematics with Calculus 120.
Engineering (B. Eng)	English 121/122, Advanced Mathematics with Calculus 120, Chemistry 12, Physics 12
Nursing (BN)	English 121/122, (UNB, for example, requires Pre-Calculus 11 or Trigonometry and 3-Space 121/2, Chemistry 12, Biology 12.)
Computer Science (BCSc)	English 121/2, Advanced Mathematics with Calculus 120, (UNB requires Chemistry 12 or Physics 12)
Fine Arts (BFA)	English 121/2, (Art Portfolio or Music Audition is usually required.)

Usually Canadian universities accept these electives:

Advanced Mathematics with Calculus 120.
 Biology 121/122
 Canadian Geography 120
 Canadian History 120
 Canadian Literature 120
 FI Canadian History 120
 Chemistry 121/2
 Economics 120
 French 122
 FI Language Arts 120
 Physics 121/2
 Political Science 120
 Trigonometry and 3-Space 121/2

Please check with the University of your Choice if you are using the following electives for admission:

Business Org. & Man. 120
 Co-Op 120
 Computer Science 120
 Environmental Science 122
 FI World Issues 120
 Health PE 120
 Int. to Accounting 120
 Journalism 120
 Law 120
 Media Studies 120
 Music 120
 Theatre Arts 120
 Visual Arts 120
 World Issues 120

PREPARATION FOR COMMUNITY AND PRIVATE COLLEGE

Students who wish to apply to a college following graduation should also take care in choosing their courses. Admission requirements often differ significantly from program to program and institution to institution. Some programs may require certain High School courses, a portfolio, a personal interview, and/or other additional qualifications.

Students must refer to the college calendars or websites for precise entrance requirements. They may also consult with a guidance counsellor.



TENTATIVE COURSE LIST FOR 2012/2013

AP Calculus 120 *
AP Chemistry 120
AP English Literature 120 *
AP Psychology 120 *

Adv. Mathematics with Calculus 120 *
Practical Applications in Math 120 *
Financial and Workplace Mathematics 11 *
Foundations of Mathematics 11 *
Pre-Calculus 11 *
Trigonometry and 3-Space 121 *
Trigonometry and 3-Space 122 *
Advanced Math with Intro to Calculus 120
Biology 111
Biology 112
Biology 113
Biology 121 *
Biology 122 *

Business Communications 110
Business Organization and Management 120

Canadian Geography 120
Canadian History 122 *
FI Canadian History 120 *
Canadian Literature 120 *
Career Exploration 110
Chemistry 111/112
Chemistry 121 *
Chemistry 122 *
Child Studies 120
Computer Aided Design 110
Computer Aided Manufacturing 110
Computer Science 110
Computer Science 120 *
Co-Op Ed 120 (3 credits)
Co-Op Ed 120 (2 credits)
Culinary Technology 110
Culinary Technology 120 *

Drafting – Computer Aided Graphics 120 *
Early Childhood Services 110
Early Childhood Services 120 *
Economics 120

English 111 (2 credits)
English 112 (2 credits)
English 113 (2 credits)
English 121 *
English 122 *
English 123 *
Entrepreneurship 110
Introduction to Environmental Science 120
FI Introduction to Environmental Science 120
Family Living 120
FI Relations Familiales 120
Fashion Design 120
Fashion Tech 110
FI Biology 110
FI Language Arts 110
FI Language Arts 120 *
French 112
French 113
French 122 *
Graphic Art and Design 110

Hospitality and Tourism 110
FI Hospitality and Tourism 110
Housing and Design 120
Human Services 110
Information Processing 120
Introduction to Accounting 120
Introduction to Applied Technology 110
Introduction to Applied Technology: Theatre Option 110
Introductory Electronics 110

Journalism 120
Law 120
Learning Strategies 110
Media Productions 120
Media Studies 120
Micro Electronics 120 *
Modern History 112
FI Modern History 110
Modern History 113

Music 112
Music 120 *

Networking 110
Nutrition for Healthy Living 120
Outdoor Pursuits 110

Physical Geography 110
Physics 111
Physics 112
Physics 121 *
Physics 122 *
Political Science 120
Reading Tutor 120
Science 120 *
Sociology 120
Spanish 110/120 *

Tech Support 110
Theatre Arts 120
Three-Dimensional Studies 120
Transportation Explorations 110

Visual Arts 110
Visual Arts 120 *
Visual Arts Portfolio 120 *
World Issues 120
FI World Issues 120
World of Music 120
Writing 110

Automotive Electrical Sys 120*
Aviation Technology 120
Framing and Sheathing 110
Internal Combustion Engines 110
Metals Processing 110
Metals Processing 120 *
Mill and Cabinet Work 120
Power Train and Chassis 110
Residential Finish and Insulation 120
Robotics and Automated Technology 120
Site, Layout, and Foundation 110
Tune Up and Emissions 120*

Health and Physical Education 120
Health and Physical Education 110

* indicates prerequisite is required

COURSE DESCRIPTIONS

AP PSYCHOLOGY 120 (only available to qualified students in their graduating year)

This course is equivalent to an introductory university course in psychology and includes rigorous academic curriculum. Some of the following topics may be covered: the history of psychology as a science, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, and more. At the end of the course, students may pay a fee to write an examination. Upon passing the examination with an acceptable mark, several universities will grant university credits.

AUTOMOTIVE ELECTRICAL SYSTEMS 120 (prerequisite: Internal Combustion Engines 110)

This course provides an introduction to 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.

AVIATION TECHNOLOGY 120

Aviation Technology 120 is an introduction to the broad field of aviation. Whether you plan to become a Pilot, an Aircraft Maintenance Engineer (AME), an Aeronautical Engineer, or simply want a better understanding of aviation, this course will be beneficial to you. Areas of study include: Aircraft Components and Functions, Theory of Flight, Marshalling, Air Traffic Services, Meteorology, Radio Theory and Operation, Information Services, Post-Secondary Opportunities, Sheet-Metal Fabrication, Machine Tool Operation, and Welding.

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 113

Biology 113 has a special emphasis on: nutrition, transport, respiration, excretion, regulation, and reproduction. Other topics include ecology, cell structure and function, and health and disease. Laboratory work involves the use of the microscope and activities of varying complexity. The course offers core and optional topics.

BIOLOGY 121 (prerequisite: Biology 111/2, FI Biology 112)

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

BIOLOGY 122 (prerequisite: Biology 111/2, FI Biology 112)

Biology 122 is a challenging one-year 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

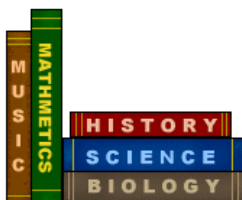
This is an introductory course in business organization, operation and management designed for those students intending to pursue further study in Business Administration or Economics at a post-secondary institution. The understanding of business operations as practiced in Canada is a major objective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

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 (prerequisite: Modern History 111/2, Canadian History 120, FI Modern History 112)

Canadian History 122 is a study of Post-Confederation with an emphasis on the 20th 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.



CANADIAN LITERATURE 120

This is an advanced English course. Students in this course encounter the characters, ideas, values and experiences that contribute to Canada's unique and global nature. The organizing centre of the course is a series of seven units, four of which are compulsory: Canadian Identity; Historical and Literary Highlights; The Canadian Novel; Publication of a Class Literary Magazine. The remaining three may be chosen from the following: Literature from the Atlantic Provinces; New Brunswick Literature; Canadian Native Literature; Women in Canadian Literature; Canadian Humour; Canadian Drama; Canadian Poetry; The Canadian Short Story; The Canadian Essay. An alternative curriculum developed with NB representation at the Atlantic Canada table, is based on another flexible modular structure consisting of Atlantic Canada Identity; Cultural/ Regional Perspectives; Focused Study; Canadian Voices.

CAREER EXPLORATION 110

This course is designed to encourage students to examine personal interests, values and aptitudes prior to engaging in a workplace readiness school-based curriculum component. The emphasis focuses on exploration and students are provided with the opportunity to be placed in a work setting that reflects their interests and qualifications upon completion of the pre-employment module.

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. 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 (prerequisite: Chemistry 111/2)

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 (prerequisite: Chemistry 111/2)

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, thermochemical 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 (prerequisite: Computer Science 110)

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.

CO-OPERATIVE EDUCATION 120 (this two- or three-credit course is available to qualified students)

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.

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. **Culinary Technology 110 is a prerequisite for Culinary Technology 120.** It gives students life long learning skills that may be transferable to future training and/or food services employment.

DRAFTING - COMPUTER AIDED GRAPHICS 120 (prerequisite: Computer Aided Design 110)

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.

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 child care 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.

EARLY CHILDHOOD SERVICES 120 (prerequisite: early childhood services 110)

Early Childhood Services 120 helps students understand the role of the caregiver as well as the parents in a child's development. The theory in Early Childhood Services 120 best applies to the pre-school age group 3-5 years. 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.

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 111–121

English 111–121 are 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. A greater range and depth than English 112–122, plus more independent and small group experiences will accommodate students' interests and talents.

ENGLISH 112–122

English 112–122 are 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 in speaking and listening, reading and viewing, writing and other ways of representing. English 112 will focus on information and media literacy, encouraging students' expansion and control of their own use of language. Significant literary pieces from the past plus those of contemporary and personal interest should be among the print and visual texts students encounter. English 122 will concentrate on critical and personal response to Canadian and world literature.

ENGLISH 113–123

English 113–123 are 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 speaking, listening, reading, viewing, writing, and other ways of representing. English level 3 courses may differ in terms of pace, scope, emphasis and resources from level 2, but all students in all levels will work toward achieving the same English outcomes. High priority is given to student development of reading and viewing comprehension and to effective oral and written and other communication. Students will concentrate on improving strategies for learning from literary, technical and media texts; practical and personal writing is stressed.

ENGLISH AP 120 (prerequisite: English 121)

AP (Advanced Placement) English, Literature and Composition, is an intensive English course that emphasizes the study and analysis of fiction (novels, drama, poetry), language awareness, close reading, and the perfection of writing skills. This course may lead to a first year university English credit upon successful completion of the AP exam.

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.

Introduction to Environmental Science 120 and FI Introduction to Environmental Science 120

This course utilizes classroom discussion, laboratory work, field trips and student seminars. Topics covered include: environmental structure and attitudes, the ecosystem concept, natural resources and population, urbanization, energy and current environmental problems such as acid rain. Examples using local interests in any of the preceding topics may play an important role in the course.

ENVIRONMENTAL SCIENCE 123

Environmental Science 123 is a general course designed for students who wish to become more familiar with their environment. Much emphasis is placed on participation in classroom discussions. Topics covered include: what is the environment, ecosystems nutrient cycles, human populations, urbanization, energy, acid rain and other current and/or localized environmental problems.

FAMILY LIVING 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.

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; serging 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 (prerequisite: Fashion Technology 110)

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.

FI BIOLOGY 112

See course description for: Biology 112.

FI CANADIAN HISTORY 122 (prerequisite: Modern History 111/112, FI Modern History 112)

See course description for: Canadian History 122.

FI HOSPITALITY AND TOURISM 110

See course description for: Hospitality and Tourism 110

FRENCH IMMERSION LANGUAGE ARTS 110, 120 (FI Language Arts 110 is a prerequisite for FI Language Arts 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 MODERN HISTORY 112

See course description for: History 112

FI RELATIONS FAMILIALES 120

See course description for: Family Living 120

FI WORLD ISSUES 120

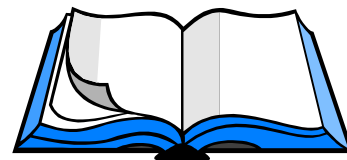
See course description for: World Issues 120

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.

FRENCH 112, 122 (French 112 is a prerequisite for French 122)

The French Second 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. French 112 and 122 are not appropriate for students with a background in French Immersion.



FRENCH 113

This course is designed to further the acquisition of oral communication skills for students who have experienced difficulty in French, or who have a limited or no background in French as a second language. The courses cover the language skills necessary for basic communication in French in daily situations. French 113 is not appropriate for students with a background in French Immersion.

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 AND PHYSICAL EDUCATION 120 (only for qualified students)

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

HOSPITALITY AND TOURISM 110

The Hospitality/Tourism industry is identified in Canada and particularly New Brunswick, as 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 resource-based learning, practical experiences, 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 DESIGNS 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 SERVICES 110

The overall aim of Human Services is to increase students’ awareness of the importance of human service work and prepare them for future employment and/or post secondary education. Due to the increasing elderly population and the trend towards “at home care” versus “institution care”, there is a need for trained human service workers. The course will focus on the skills to prepare people to work with the elderly and the handicapped. It will include community activities.

INFORMATION PROCESSING 120

This course will prepare 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 is are important parts of this course.

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.

INTRODUCTION TO ACCOUNTING 120

This course, ideally suited for students wishing to pursue business studies at post-secondary institutions, 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: THEATRE OPTION 110

This Applied Technology option is designed to provide students with technology skills as they relate to the theatre. Skills in stage lighting, sound, and set construction will be introduced.

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.

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.

JOURNALISM 120

Journalism 120 provides students with intensive practice in writing and editing. Students learn to identify or generate story ideas, to gather pertinent information and to write and edit their stories with a view to publication. The activities accompanying preparation for publication engage students in creative skills such as writing, design, layout and photography, and in practical skills such as budgeting, meeting deadlines and working with others. Examining examples of journalistic style is an element of the course but writing for publication is the focus.

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.

MATHEMATICS

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, leasing and buying are explored and investment portfolios are analyzed.

Students have a choice of this course or **Financial and Workplace 11** to complete graduation requirements. This is a pre-requisite for **Foundations of Mathematics 12** and a pre-requisite or co-requisite for **Pre-Calculus 11**.

Financial and Workplace Mathematics 11

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 11** to complete graduation requirements. This is a pre-requisite for **Financial and Workplace Mathematics 12**.

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, 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.

This course is a pre-requisite for **Pre-Calculus 12A**.

Practical Applications In Mathematics 120 (prerequisite: applications 113 or geometry and applications 111/112)

This course will be of interest to students who want to investigate the practical applications of mathematics in everyday life and in the workplace. Topics include numerical skills, applied algebra, measurement, trigonometry, and geometry. There will be opportunities to practice their math skills in the lab setting. Students who plan to continue their education at the college level should consider this course.

Trigonometry and 3-Space 121/122 (prerequisite: Functions and Relations 111/112)

This elective course will generally be taken by students in grade 12. Students will study the algebra of 3-space (modeling and sketching points, lines and planes in 3-space, solving systems of equations both algebraically and using matrices, and developing an understanding of matrix characteristics such as identities, inverse and determinants); trigonometric functions (characteristics, transformations, reciprocals, inverses, and applications); and trigonometric equations and identities (solving equations and related problems, and proving identities). Students will work with both degree and radian measure.

Advanced Mathematics with Introduction to Calculus 120 (prerequisite: Trigonometry and 3-space 121/2)

This course is designed for students who intend to pursue their education in courses requiring the study of advanced mathematics at post-secondary institutions. Topics covered include sequence and series, polynomial functions, and complex numbers and calculus.

AP Calculus 120 (prerequisite: Advanced Mathematics with Introduction to Calculus 120)

This course is designed for students who wish to pursue studies which require the learning of advanced mathematics at post-secondary institutions. Pre-calculus (conic sections, complex numbers, and mathematical induction) and calculus topics will be included in this course. At the end of the course, students may pay a fee to write an examination. Upon passing the examination with an acceptable mark, several universities will grant university credits.

MEDIA PRODUCTION 120

This course will focus on the development of skills in film production. Skills that students acquire in this course should act as a gateway to other post-secondary pursuits, such as enrollment in recording, film or multimedia school, a career in broadcast journalism, independent film and video production, community television, advertising, public relations or feature film production.

MEDIA STUDIES 120

Media Studies 120 offers an introduction to the evolution and impact of mass media on the individual and society. The television/video unit is compulsory, accompanied by a choice of three additional units on advertising, film, print and electronic journalism, photography, drama, radio/sound communication, as local circumstances permit. The primary purpose of the course is to have students learn through experiment and exploration; the course is practical and activity based. Students enrolled in Media Studies 120 must be mature enough to meet the high level of independence, reliability and responsibility required of them.

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 (prerequisite: metals processing 110)

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

MICRO ELECTRONICS 120 (prerequisite: introductory electronics 110)

Students taking this course will recognize digital electronics as an integral part of computers and calculators and part of most other electronic equipment in use today. A knowledge of electronics is developed by wiring and testing circuits as well as computer simulation of circuits. This course should be of interest to students with a career objective in an electrical occupational area, those planning to continue their education at the technical or engineering level, as well as those with a personal interest in electronics or computers.

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 centuries 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 110

The course consists of practical performance, music theory, prescribed scores, listening and music history. It builds on objectives and experiences covered in Music in grades 9 and 10.

MUSIC 112 (prerequisite: Music 10)

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 (prerequisite: Music 112)

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.

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 non-human 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 PURSUITS 110

This course is a "selective-elective" with 9/10 physical education as a prerequisite. 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 GEOGRAPHY 110

Physical Geography 110 is the study of the physical features of the earth and their effects on mankind. It examines the interaction among all components of the environment and emphasizes the relationship between the land and humanity. It examines climatology and meteorology and their impact on people. It is designed to develop an understanding of the basic principles of the geographic method, which will enhance transferable skills.

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. Laboratory work is the core of this course. 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, electricity and magnetism, atomic and nuclear structure including harnessing nuclear 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 student-centered approach to theoretical and practical investigations is the basis of this curriculum. Information from a variety of sources is encouraged.

PHYSICS 121 (prerequisite: Physics 111/2)

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. Laboratory work is the core of this course. Topics covered will be the same as Physics 122 but the depth of coverage will be greater.

PHYSICS 122 (prerequisite: Physics 111/2)

Physics 122 includes the following topics: linear motion, forces, two dimensional motion, impulse and momentum, work energy and power. As with Physics 112, each of these topics is studied in its societal context. Student experiences should include library research, laboratory investigations, 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 the Canadian system).

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 seeking admission to the motor vehicle service industry, as well as those seeking guidance about a career choice, should benefit from this course.

READING TUTOR 120 (only for qualified students)

Reading Tutor 120 pairs senior student tutors with younger struggling readers. The tutors receive a course credit while the readers receive assistance meeting the outcomes for English Language Arts. The teachers of this course co-ordinate the program, provide the tutor training; oversee the activities of the partners and offer guidance and support to both the tutors and the readers. The tutors select the reading materials and plan and implement the daily activities for their readers. Readers who take the course improve their reading and writing skills and often increase their motivation and interest in school while the tutors acquire valuable reading/writing tutoring skills and develop useful interpersonal, organizational, planning and problem solving skills.

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, 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 120 (prerequisite chemistry 121/2, physics 111/2, physics 121/2)

This course will include the study of magnetism, electromagnetism, force fields and their application, atomic and nuclear structure, redox reactions, and electrochemistry. This course is designed for students preparing for studies in post-secondary science.

SITE LAYOUT AND FOUNDATIONS 110

This course introduces the student to the methods, tools, equipment, and skills used to locate a building foundation. Through "hands-on" experiences, building locations and elevations are established followed by the construction of various footing and wall form systems. The placement and testing of various concrete mixes are also studied. This course should be of interest to students seeking admission to the construction industry as well as those seeking guidance about a career choice.

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 (distance education course on-line)

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 the opportunity 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 (distance education course on-line)

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.

THEATRE ARTS 120

This course deals with the major aspects of theatre performance, including acting and interpretation, stage-craft, play management, and theatre history. The course offers students an opportunity to deal with both practical and theoretical issues as they relate to drama and theatre arts.

THREE-DIMENSIONAL STUDIES 120 (prerequisite Visual Arts 110)

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 additive, 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 (20th Century) of three-dimensional form.

TUNE-UP AND EMISSIONS 120 (prerequisite: Internal Combustion Engines 110)

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 (prerequisite: Art 10)

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 (prerequisite: Visual Arts 110)

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 (prerequisite: Visual Arts 110)

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%). Students must have completed Grade 9/10 Physical Education and Health.

WORLD ISSUES 120

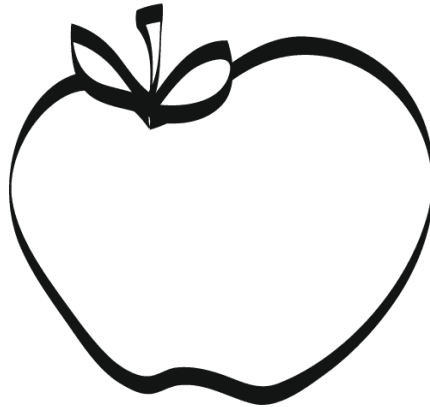
World Issues 120 examines various issues that are global in nature and that require a global solution. The concept of the global village is studied, as is the relationship between nations as players in the global community. Various issues are examined to acknowledge the fact that events in any part of the World have a reverberating effect. The future of the global community is also examined.

WORLD OF MUSIC 120

World Music 120 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.

WRITING 110

Writing 110 is intended to encourage students to practice and experiment with the 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 level; participation in class and individual growth in writing will be considerations in evaluation.



School District 2 High Schools



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Caledonia Regional High School

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Fax: (506) 734-3707

Harrison Trimble High School

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JMA Armstrong High School

Principal: William Robinson
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Moncton High School

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Petitcodiac Regional High School

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Riverview High School

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