

Bernice MacNaughton High School



Course Selection Handbook

2025-2026

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BMHS Course Descriptions 2025-2026

ADVANCED OUTDOOR EDUCATION 120 (pre-requisite Outdoor Education 110)

[Local option]

This course is designed to give learners a full understanding of the outdoors, outdoor activities, as well as outdoor survival. The following areas are possible topics to be explored; first aid/CPR, team building, leadership, canoeing, climbing, rappelling, knots, navigation, outdoor cooking, shelter-building, trip planning, fire building and more.

ADVANCED THEATRE ARTS 120 (pre-requisite Dramatic Arts 120)

[Local option]

This class is for serious and experienced drama students to have a further opportunity to develop artistically in a class setting. Students will be expected to demonstrate the creative growth they have accumulated throughout their years of practicing high school theatre. Students will demonstrate a strong command of physical theatre, characterization, blocking, and voice work. During the creative process students will be expected to take on the multiple roles of writer, director, and actor.

ADVANCED TRAINING PRINCIPLES 120

[Wellness & Physical Education Cluster]

ATP (Advanced Training Principles) focuses on the study of human movement and of systems, factors, and principles involved in human movement. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sports, and the factors that influence an individual's participation in physical activity. This course takes place primarily in the weight room, gymnasium, turf, and the trail system adjacent to our school. Students must be prepared to workout daily in the indoor or outdoor training. The student must understand that all assignments provide the theory behind the activities being performed and the student will not be able to participate in the physical until the theoretical component is completed. This course is recommended for grade 12 students.

AGRICULTURE 110

[Science Cluster]

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, this leads to creating quality Agriculture products and/or operations. Learners will apply skills during Agriculture experiences and/or work placements and will have build knowledge in Agricultural careers.

ANCIENT AND MEDIEVAL HISTORY 112

[Humanities Cluster]

Through a variety of methods, this course goes back in time to giving us a closer look at everything from the discovery of fire to the pyramids; the magical cities of Athens and Rome; the great Wonders of the World to countless wars before us; from Confucious, Socrates to Michelangelo.

AUTO ELECTRIC SYSTEMS 120 (pre-requisite: Int. Combustion Engine 110)

[Science and Career Connected Clusters] may only be used in 1 cluster

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.

BIOLOGY 11 or FI BIOLOGY 11

[Science Cluster]

Biology 11 emphasizes the nature of life. Student's study the cell as the basic unit of life and the diversity of organisms that make up the planet's ecosystems. Students also study some of the systems that allow multicellular organisms to maintain equilibrium as they interact with the outside environment. Topics explored are cells, classifications, evolution, dissections and body systems.

BIOLOGY 12 or FI Biology 12 (pre-requisite: Biology 11)

[Science Cluster]

Biology 12 is designed to give students a better understanding of cell structure, function, and control at the molecular level. Topics include macromolecules, the cell cycle, genomics, genetics, the physiology of the reproductive and endocrine systems. An overview of new developments in biology and biological ethics will be discussed throughout the course.

BUSINESS MANAGEMENT 120

[Career Connected Cluster]

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 (pre-requisites Pre-Calculus 12A & 12B)

[Math Cluster]

This course begins to explore the area of Calculus, focusing on Rates of Change and the Derivative Functions, with an introduction to Integration. Students will require a strong understanding of Functions and solving techniques learned in Pre-Calculus 12A and 12B. This course is recommended for students interested in postsecondary programs in science, engineering, and mathematics, though it may not be a required entrance requirement.

CANADIAN HISTORY 122

[Humanities Cluster]

Canadian History 122 is a study of contributing factors that shaped Canada, with emphasis on civics and citizenship. This includes constitutional and political history, women's and labour histories, Indigenous histories, multiculturalism, and Canada's changing role on the global stage.

CANADIAN LITERATURE 120

[Languages & Literacies Cluster]

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 foundation of the course series of seven units, four which are compulsory: Canadian Identity; Historical and Literary Highlights; The Canadian Novel; Publication of a Class Literary Magazine.

CHEMISTRY 11

[Science Cluster]

Chemistry 112 emphasizes learning chemistry through the scientific method. 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 111 is recommended for students who may be pursuing science or engineering at the university level.

CHEMISTRY 12 (pre-requisite: Chemistry 11)

[Science Cluster]

These courses consist of four main units 1) Organic Chemistry which studies carbon and organic compounds, applications and equations and the polymerization 2) Thermochemistry 3) Solutions, Kinetics and Equilibrium 4) Acids and Bases. Students will be evaluated through quizzes, assignments, tests, lab reports and an exam. Chemistry 121 students must complete/conduct a research project.

CHILDREN'S LITERATURE 120

[Languages & Literacies Cluster]

Children's Literature 120 offers learners the opportunity to explore the evolution of children's literature, gain an understanding the profound impact of representation, and analyze the various genres, to gain insight into the essential question: why is children's literature important?

CIVICS (compulsory) or FI Civics

[Humanities Cluster]

This course focuses on the elements required to strengthen citizenship, democratic processes, and fundamental rights and freedoms. Students will examine how power is gained, used and justified. Students will be able to act on personal rights and responsibilities and the interplay among authority systems, citizens, and public policy.

COMPUTER AIDED DESIGN 110

[Career Connected Cluster]

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 SCIENCE 110

[Career Connected Cluster]

This course is an introduction to the basic concepts for computer science. Programming languages to support learning concepts are Python and Visual Basic (VB 6). Three main units will be explored: computing environments and systems, programming concepts and skills and software development.

COMPUTER SCIENCE 120 (pre-requisite : Computer Science 110)

[Career Connected Cluster]

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.

CO-OP 120 or FI CO-OP 12 (requires an application and interview for admission)

Co-operative Education is a program offered to Grade 12 students who meet specific minimum requirements for graduation. It is an opportunity for students to explore future careers and experience real life working conditions in workplaces they hope to advance to in their future life. It serves to enhance practical curriculum instruction by exposing students to the responsibilities and critical employability skills necessary in a professional and real working environment. Students identify key academic, personal management and teamwork skills required of them as they prepare for the global workforce of the 21st century. The ultimate goal of co-operative education is to extend and build upon positive learning experiences.

CULINARY TECHNOLOGY 110

[Career Connected Cluster]

The primary goal of Culinary 11 is to prepare students with the basic cooking skills and knowledge base necessary for Culinary 12. The goal of the course is to foster a love for cooking quality food, as well as, to develop an understanding for how it is culturally relevant. There will be a focus on the nutritional aspect of food science and how 'quality food' relates to a person's overall health and well-being.

CULINARY TECHNOLOGY 120 (pre-requisite Culinary Tech 110)

[Career Connected Cluster]

The primary goal of Culinary 12 is to build on the content mastered in Culinary 110. In addition, students will be exposed to food art, different cooking techniques, different cuts and grades of meat, chicken and pork, cultural diets and how to cook on a budget.

CYBERSECURITY & TECH SUPPORT 110

[Career Connected Cluster]

Students will learn the fundamentals and basics of computer components, computer maintenance, repair, upgrading, and assembly. These skills will provide a foundation for further studies in computer support, network support, and other Information Technology (IT) studies.

CYBERSECURITY 120

[Career Connected Cluster]

This course permits the learner to gain operational skills and will use computational thinking to solve problems and to analyze cybersecurity challenges with an eye to mitigating risks. Learners will be actively engaged in the design, development and evaluation of defensive cybersecurity projects, including awareness, concepts and challenges. Learners will explore topics with digital literacy in mind, including inquiry, problem-solving and decision-making.

DIGITAL PRODUCTION 120

[Creative Arts Cluster and Career Connected Cluster] may only count in one cluster

This is a performance-based course that 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. Students will learn videos editing, sound editing, and graphics design through exposure to industry-standard software and hardware.

DRAMATIC ARTS 110

[Creative Arts Cluster]

This course is an introduction to the basic elements of drama. Students learn and practice various theatre conventions and terminology. Some topics of study will include pantomime, voice and diction, improvisation, character development, monologues, blocking, collective creations, and scene development.

DRAMATIC ARTS 120

[Creative Arts Cluster]

This course deals with the major aspects of theatre performance, including acting and interpretation, stagecraft, 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.

EARLY CHILDHOOD DEVELOPMENT 120

[Wellness & Physical Education Cluster]

This course 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. 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.

EARLY CHILDHOOD SERVICES 110

[Career Connected Cluster]

This course will focus on the skills needed to prepare people to work with children. It is a how-to program, applying basic theory to hand-on activities. Childcare givers are important in our society, as they guide and teach today's children to be tomorrow's adults. Readings include understanding school-aged children, handling schedules & routines, music and movement activities and finding employment opportunities in childcare.

ECONOMICS 120

[Core Cluster Electives or Flexible Credits]

Economics 120 provides students with a basic understanding of our economic system and how it works. It will explore the various factors that affect our economic decision making whether they be individual or group decisions. The Big Idea's for the class are the fundamental economic concepts, supply and demand, equilibrium/trade, firms/market structure/money and banking.

ENGLISH AS AN ADDITIONAL LANGUAGE

[Languages and Literacies Cluster]

EAL courses focus on instruction, practice, and achievement of language competencies. This is organized in can-do statements aligned to the Common European of Reference (CEFR). Students self-evaluate their progress in addition to teacher observations, conversations, as well as final products. Learners acquire language proficiency at the A1.1, A1.2, A2.1, A2.2, B1.1 and B1.2 CEFR levels.

ENGLISH LANGUAGE ARTS 9 A/B (compulsory)

[Languages and Literacies Cluster]

In Grade 9, English Language Arts involves learning about new and diverse perspectives and experiences. Oral language plays a role in the development of conceptual understanding and learning from others' experiences, stories, and points of view. Knowledge gained from reading and viewing a wide variety of text forms, genres, and modes can be personal and individual, or can be social and collaborative. The English Language Arts classroom provides the context in which the development of writing and representing skills depend on other elements of language arts, such as speaking, listening, reading, and viewing.

ENGLISH LANGUAGE ARTS 10 FOUNDATIONAL (compulsory)

[Languages and Literacies Cluster]

In Grade 10, English Language Arts students are expected to listen, view, read, and discuss increasingly complex information and literary texts, representing a variety of voices, for enjoyment, learning and personal understanding, collaboratively and independently. With an emphasis on Canadian content, including works by Black, Indigenous and racialized people, students will be exposed to a wide variety of texts representing diverse voices and perspectives (e.g., 2SLGBTQIA+, neurodiversity, age, gender, ethnicity, culture, religion, and ability). Students show increasing sophistication in selecting specific strategies to meet their needs while interacting, reading, and representing. They understand the learning process and strategies that work for them when creating a variety of texts. A text is not just the written word — other examples include an oral story, a musical score, a piece of art, a mathematical equation, a dance, a chemical formula, a game, a network of linked web pages, an advertisement, a video, and an outfit.

ENGLISH LANGUAGE ARTS 10 EXTENDED

[Languages and Literacies Cluster]

In Grade 10, learners are expected to listen, view, read, and discuss increasingly complex information and literary texts, representing a variety of voices, for enjoyment, learning and personal understanding, collaboratively and independently. With an emphasis on Canadian content, including works by Black, Indigenous and racialized people, students will be exposed to a wide variety of texts representing diverse voices and perspectives (e.g., 2SLGBTQIA+, neurodiversity, age, gender, ethnicity, culture, religion, and ability). Students show increasing sophistication in selecting specific strategies to meet their needs while interacting, reading, and representing. They understand the learning process and strategies that work for them when creating a variety of texts. A text is not just the written word — other examples include an oral story, a musical score, a piece of art, a mathematical equation, a dance, a chemical formula, a game, a network of linked web pages, an advertisement, a video, and an outfit.

ENGLISH LANGUAGE ARTS 112/113 FOUNDATIONAL (compulsory)

[Languages and Literacies Cluster]

In Grade 11, learners are expected to listen, view, read, and discuss increasingly complex information and literary texts, representing multiple voices, for enjoyment, learning, advocacy and personal understanding, collaboratively and independently. With an emphasis on Canadian content, including works by Black, Indigenous and racialized people, students will be exposed to a wide variety of texts representing diverse voices and perspectives (e.g., 2SLGBTQIA+, neurodiversity, age, gender, ethnicity, culture, religion, and ability). Students show increasing sophistication in selecting specific strategies to meet their needs while interacting, reading, and representing. Educators adjust course material in breadth, depth, and scope of inquiry dependent on the level of curriculum delivery.

ENGLISH LANGUAGE ARTS 112/113 EXTENDED

[Languages and Literacies Cluster]

In Grade 11, learners are expected to listen, view, read, and discuss increasingly complex information and literary texts, representing multiple voices, for enjoyment, learning, advocacy and personal understanding, collaboratively and independently. With an emphasis on Canadian content, including works by Black, Indigenous and racialized people, students will be exposed to a wide variety of texts representing diverse voices and perspectives (e.g., 2SLGBTQIA+, neurodiversity, age, gender, ethnicity, culture, religion, and ability). Students show increasing sophistication in selecting specific strategies to meet their needs while interacting, reading, and representing. Educators adjust course material in breadth, depth, and scope of inquiry dependent on the level of curriculum delivery.

ENGLISH LANGUAGE ARTS 122/123 (compulsory)

[Languages and Literacies Cluster]

In English 12, students conclude their high school learning journey by deepening their understanding of themselves, others, and the world around them. Through collaborative and independent listening, viewing, reading, representing, writing, and discussing of a wide range of texts, this course encourages students to refine, the creative, reflective, and critical-thinking skills they will need to engage meaningfully with their future communities. The four units are: Community, Values and Issues, Book Club, Real-World Readiness and Creative Connections.

ENTREPRENEURSHIP 110

[Career Connected Cluster]

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 encourages a strong connection between theory and action.

ENVIRONMENTAL SCIENCE 120

[Science Cluster]

Learners will explore and discuss a variety of local and global environmental issues. Learners will investigate population growth, resource limitations, the ecology of natural systems, historical and current approaches to conservation and natural resource management, and the sustainability of natural environments and human settlements. Learners will practice effective communication by presenting research projects on current environmental issues.

FASHION TECHNOLOGY AND DESIGN 110

[Creative Arts Cluster]

Using Fashion Technology specific content, learners will integrate knowledge, problem solving, and practical skills for everyday life with an emphasis on taking decisive action to enhance overall health and wellbeing. Students will examine the world of textiles, their production process, and explore various fibers and fabrics. Learners will reflect on their own clothing needs and choices, examine the environmental impact of those choices, and hypothesize potential solutions for improvement. Students will learn to follow commercial patterns and apply current construction techniques.

FINANCIAL ACCOUNTING 120

[Math Cluster]

This course introduces students to accounting procedures, concepts and applications. Course topics include Nature of business, accountancy as a career, bookkeeping, accounting cycle and theory, subsidiary ledgers, accounting and inventory control systems, payroll adjustments, statement analysis, and electronic accounting through Excel.

FINANCIAL AND WORKPLACE MATHEMATICS 110 (pre-requisite GMF 10)

[Math Cluster]

This course is designed to provide learners with the mathematical understandings and critical thinking skills identified for entry into some college programs, and for direct entry into the work force. Topics include financial mathematics, algebra, geometry, measurement, number, statistics and probability.

FINANCIAL AND WORKPLACE MATH 120 (pre-requisite FIN 110 or Found.110)

[Math Cluster]

Learners 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.

FOUNDATIONS OF MATHEMATICS 110 (FI option) (pre-requisite NRF 10)

[Math Cluster]

This course provides a pathway designed for entry into academic programs not requiring precalculus. Students develop logical reasoning skills and apply this to proofs and problems involving angles and triangles, the sine law, and the cosine law. Students model and solve problems involving systems of linear inequality in two variables and explore characteristics of quadratic functions. Costs and benefits of renting, leasing, and buying are explored, and investment portfolios are analyzed. This course is a pre-requisite or co-requisite for pre-Calculus110. Students must take either Foundations 11 or Financial and Workplace 11 to fulfill the grade 11 math requirement for graduation

FOUNDATIONS OF MATHEMATICS 120 (pre-requisite Foundations 110)

[Math Cluster]

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.

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 IMMERSION LANGUAGE ARTS 9 (compulsory for FI students)

[Languages and Literacies Cluster]

This course has seven components: the oral comprehension, production, and interaction, written comprehension and production, grammar, and culture. Students will build on the skills already acquired in immersion. Students will work independently and in small groups. Themes may include: a personal story of courage, technology article and a book of your choice.

FRENCH IMMERSION LANGUAGE ARTS 10 (compulsory for FI students) (prerequisite: FILA 9)

[Languages and Literacies Cluster]

This course has seven components: the oral comprehension, production and interaction, written comprehension and production, grammar, and culture. Students will build on the skills already acquired in immersion. Students will work independently and in small groups. Texts to explore include: your experiences, your world, and an opinion text.

FRENCH IMMERSION LANGUAGE ARTS 110 (prerequisite: FILA 10)

[Languages and Literacies Cluster]

This course has seven components: the oral comprehension, production, and interaction, written comprehension and production, grammar, and culture. Students will build on the skills already acquired in immersion. Students will work independently and in small groups.

FRENCH IMMERSION LANGUAGE ARTS 120 (prerequisite: FILA 110)

[Languages and Literacies Cluster]

This course is based largely on preparation for the mandatory oral interview. Students will practice the French language through scenarios, oral activities, and answers to a multitude of texts and media. The goal is for students to improve their fluency in French and that in the future, will continue to explore the French language and culture.

GEOMETRY MEASUREMENT and FINANCE 10 (compulsory)

[Math Cluster]

This course is one semester in length. Students will learn practical applications of geometry, measurement and finance in real-life situations. Units of study include unit pricing and currency exchange, earning an income, financial services, angles and parallel lines, trigonometry of right triangles, systems of measurements and conversions and surface area and volume

GROWTH, GOALS AND GRIT 120

[Career Connected Cluster]

This course will provide students with skills in three main areas - positive and productive mindsets and behaviours, organizational patterns, as well as functional and critical literacy.

GRAPHIC ART AND DESIGN 110 (pre-requisite: Visual Arts 10)

[Creative Arts Cluster]

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 assisted by technology.

HEALTH CARE 110

[Wellness & Physical Education Cluster]

This course introduces students to content and concepts related to health care and the healthcare system. Students will learn how the Canadian healthcare system works and will be introduced to various medical professionals that work within the system. Students will learn what it takes to be a professional within the different healthcare occupations. They will examine the rights of a healthcare consumer, 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.

HOUSING AND DESIGN 120

[Career Connected Cluster]

The overall aim of this course is to provide learners with lifelong learning skills that are transferable to future learning related to the housing environment and interior décor. Students will learn about housing decisions as they may account for the single largest expenditure for the majority of people. This course also requires creativity and individuality in designing a living environment with a focus on interior design.

HUMAN PHYSIOLOGY 110

[Science Cluster]

This course is designed to support learners with post-secondary plans in the areas of social sciences, health care, and kinesiology. Learners can expect to participate in a variety of engaging instructional practices and group activities. The course focuses on developing an understanding of the structure and functions of each human body system with relation to other body systems and the overall health of learners. Topics covered during this course will include human movement, nutrition and gas movement, and response to changes occurring within the human body.

HUMAN SERVICES 110

[Wellness & Physical Education Cluster]

This course introduces learners to the skills and potential career pathways related to the human service fields. Learners will connect skills and interests with various avenues related to caring for others. The impact of personal and systemic biases on individual care while exploring related responsibilities, physical, psychological, and ethical will be examined. This course has both theoretical knowledge and practical application of skills while working with members of our school and members of the community.

IDEA CENTRE

[Career Connected Cluster]

Housed at Hillcrest School and staffed by ASD-E teachers, the IDEA Centre offers students immersive experience-based opportunity to earn 8 high school credit hours in a co-op style program designed to develop student-led businesses.

INDIVIDUAL FAMILY WELLNESS 120 (FI Option)

[Wellness & Physical Education Cluster]

This course engages learners in making connections between well-being, personal growth and relationships. Learners will develop sound decision-making skills for positive mental health, sexual health, and transitions to adulthood. The course will help learners appreciate the diversity of cultures in relation to the family unit. Learners will also practise skills to help cope with transitions and life stressors.

INTERNAL COMBUSTION ENGINES 110

[Career Connected Cluster]

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.

INTRODUCTION TO SKILLED TRADES 110

[Career Connected Cluster]

Learners will be introduced to a variety of careers in the skilled trades pathway. Topics covered include shop safety and employability skills, tool application, intro to automotive concepts, metals fundamentals, carpentry fundamentals and skills necessary for employment in the trades.

JOURNALISM 120

[Languages & Literacies Cluster]

This course provides learners with intensive writing and editing experience. Students learn to identify or generate story ideas, to gather pertinent information and to write and edit their stories with a view to publication. Students will also be expected to be part of the school news team, and produce video news reports, in addition to monthly school newspapers.

LAW 120

[Core Cluster Electives or Flexible Credits]

This course is designed to present learners with a common introduction to the foundations of Canadian law. The aim is to provide students with the essential skills required not only for the study of law, but the humanities in general. Topics explored include Foundations of Law in Canada, Public Law and Private Law.

LOCAL ECOLOGY 110

[Local Option, Flexible Credits]

This course provides opportunities for students interested in the natural world to connect to their local ecosystems through hands-on experiences. Students will practice common ecological fieldwork skills to learn about the features that make our local ecosystems unique. Frequent trips to observe flora and fauna will allow students to immerse themselves in their local ecosystems. As students collect specimens and document their experiences throughout the course, they will synthesize this evidence into a portfolio that exhibits their personal relation to the natural world.

MATHEMATICS 9 A/B (compulsory)

Learners work individually, with partners, or in teams within the context of critical thinking, reasoning and justification, and problem-solving. They apply exponent laws, proportional reasoning, and work with polynomials, and interpret, interpolate, and extrapolate graphs. Learners develop their understanding, communicate, and justify through concrete, pictorial, and/or symbolic representations of mathematics. Problem-solving includes the use of mathematical tools (manipulatives), graphing, written work, and technology. Learners apply and consolidate primary, elementary, and middle level mathematical knowledge and the processes of communication, connection, reasoning, problem-solving, technology, and visualization. Complex and formal mathematics allows learners to quantify and organize their world.

MEDIA STUDIES 120

[Languages & Literacies Cluster and Creative Arts Cluster] may only use in one cluster

Learners have opportunities to take part in critical inquiry and analysis of media in a range of contexts. This course is framed around two key themes: consumption and creation of media. Learners will have an opportunity to explore contemporary issues related to media on global and local scales. In addition to fostering critical skills as media consumers, Media Studies 120 provides a space for learners to develop capacity as critical media creators.

METALS PROCESSING 110

[Career Connected Cluster]

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 (pre-requisite: Metals Processing 110)

[Career Connected Cluster]

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

MILL AND CABINET WORK 120

[Career Connected Cluster]

Learners create, design and construct a series of products that require mill work used in the cabinet making industry. Learners will engage with both custom and mass production principles. Opportunities will be presented for industry standard safety training, skill development with tools and equipment, and exploration of cabinet making career opportunities.

MODERN HISTORY 112/113 or FI MODERN HISTORY

[Humanities Cluster]

This course involves a study of events in Western modern history which are examined based on three criteria: historical knowledge, historical thinking, and making connection. This course involves a study of events and concepts, such as social conflicts and revolution, war and violence, crimes against humanity and competing political ideologies over time. Specific events include the French and Industrial Revolutions, the two World Wars, the Holocaust and key events of the Cold War.

MUSIC 9

[Creative Arts Cluster]

The focus of this course is to create music. This will be done through learning an instrument and completing rhythm challenges. Learners will connect with music through analyzing the role of music in creating, expressing, recording, reflecting culture and human experience, and in the music industry. Learners will develop skills in music critique and communicate students own intent with others expressive works.

MUSIC 10 (Band, Guitar/Piano or Vocal Methods)

[Creative Arts Cluster]

Learners will create music through performance and composition. They will also connect the ways music is important to communication, history and understanding each other. Learners will communicate by critiquing artist intent to determine meaning and justify their choices in music-making. Learners have the choice to study music 10 in band, guitar/piano or voice.

MUSIC 111/112 (Band, Guitar/Piano) (pre-requisite Music 10)

[Creative Arts Cluster]

Music 11 focuses on demonstrating skills in creating, connecting and communicating. Evidence of learning will be collected through performances, written assessments and projects.

MUSIC 122 (Vocal Methods) (pre-requisite Music 11)

[Creative Arts Cluster]

Music 12 focuses on demonstrating skills in performing, listening and writing. Evidence of learning will be collected through performances, written assessments and a final podcast project.

NBCC SKILLED TRADES MATH 120

[Math Cluster]

This course gives students the opportunity to practice skills individually, to solve problems with others and to work on projects that incorporate mathematics in a hands-on fashion. The intent of this course is that students become proficient with concepts in-context, so they can easily apply skills in workplace situations.

NUMBERS RELATIONS AND FUNCTIONS 10

[Math Cluster]

This course is one semester in length. Students will learn about powers, roots, functions, and linear relations. Units explored include factors and products, roots and powers, relations and functions, linear functions and systems of linear equations.

NUTRITION FOR HEALTHY LIVING 120

[Wellness & Physical education Cluster]

This course is designed to educate and make students aware of strategies to contribute to overall wellness, make healthy food choices and maintaining a good balance between eating habits, physical activity and mental/emotional health. Current issues relating to chronic diseases, lifestyles and food technologies will be discussed. This course is helpful for students who may pursue a career in science and nutrition or health-related fields.

OUTDOOR EDUCATION 110

[Wellness & Physical education Cluster]

This course is designed to give learners a full understanding of the outdoors, outdoor activities, as well as outdoor survival. The following areas are possible topics to be explored; first aid/CPR, team building, leadership, canoeing, climbing, rappelling, knots, navigation, outdoor cooking, shelter-building, trip planning, fire building and more. The four Big Ideas are: Personal and Social Development, Skills, Environmental Awareness and Wellness.

PAINTING AND SCULPTURE 120 (pre-requisite: Visual Arts 10)

[Local Option, Flexible Credits]

In this course students will explore the processes associated with Painting and Sculpting in depth. They will explore a variety of mediums such as acrylics, oil, watercolour, gouache, pottery, cardboard sculpting, woodwork, paper mâché etc. Students will create, collaborate, design, and build with the goal of becoming more adept in the target mediums. Students will learn techniques and skills by watching, planning, practicing, and building off feedback. They will share ideas, present their works and critique the works of peers with the goal of self-improvement. The course will include repetition and practice to provide visible advancements in their artistic skills and fine motor skills.

PATHOLOGY 120 (pre-requisite: Biology 112)

[Local Option]

This course is intended for students who are thinking about pursuing careers in the medical field or have a higher interest in Biology. Students will study the immune system in depth, investigating how various diseases affect the human body, and how diseases are diagnosed and treated. There is also a lab component.

PERSONAL WELLNESS 9 (compulsory)

In this course, students will examine their own personal health and how their choices and habit impact personal wellness and the community. They learn the importance of communication and boundary setting in developing healthy relationships. Learners examine social, emotional, and cognitive changes associated with adolescence and how those choices impact relationships, personal safety and mental health help build positive mental fitness.

PHYSICAL EDUCATION 9 (compulsory)

In Physical Education 9, learners set SMART goals to enhance their own physical, emotional, and social well-being. In their pursuit to live healthy active lifestyles, they seek out opportunities to learn about nutrition, fitness goals, and principles. They model respectful, ethical, and safe behaviours during activities and games in a variety of environments. They demonstrate increased efficiency and effectiveness in modeling movement concepts and principles. They take learned strategies and tactics skills and apply them to offensive and defensive patterns of play. Thirty minutes of structured daily physical education time is recommended to build endurance, strength, balance, and flexibility. This will support immediate and long-term health and well-being.

PHYSICAL EDUCATION 10

[Wellness & Physical education Cluster]

This course is to provide learners with introductory skills and concepts in the areas of sport and recreation Leadership, outdoor education, kinesiology, and fitness. A variety of sports and activities will be chosen to target the big ideas. Students will be evaluated on physical fitness testing, daily warm-ups, sport specific skills and sport theory.

PHYSICS 112 (pre-requisite: Science 10)

[Science Cluster]

This course is structured with the intention of preparing students for future studies in science. As such, it is designed for serious, hard-working students who have an interest in the subject. Learning will be emphasized through experimentation and observation. Units of study include kinematics and dynamics exploration, energy and wave exploration and application. Course topics include wave motion, vectors, forces, energy, safety, sustainability and physics careers.

PHYSICS 122 (pre-requisite: Physics 112)

[Science Cluster]

This course consists of five units 1) Two-dimensional Dynamics 2) Torque and Collisions 3) Two-dimensional Motion 4) Circular Motion and Gravitational Motion 5) Electrostatics.

PHYSICS PLUS 120 (pre-requisite: Physics 122)

[Local Option, Flexible Credits]

This is a comprehensive course designed to introduce learners to the captivating world of physics and provide a Solid foundation in its fundamental principles. The course consists of a wide range of topics including nuclear/article physics, optics and waves, thermodynamics, electromagnetism, relativity and modern physics. These topics aim to develop a deep conceptual understanding of the fundamental principles that govern the behavior of matter and energy.

POLITICAL SCIENCE 120

[Core Cluster Elective or Flexible Credits]

Political Science 120 will explore theoretical concepts of Political Thought, practical applications of Political Systems, and experiential learning of Political Engagement. Students will explore political philosophy, political ideology, and government in Canada and around the world. This exploration will include a focus on a variety of influences on political decision making, such as media, cultural diversity, and history. Throughout the course, students will define, debate, and put into action their own political beliefs

POPULAR MUSIC 120

[Creative Arts Cluster]

This course investigates the ways global events shape popular music and how popular music has, in turn, influenced culture and society. Learners will develop a deeper understanding of musical genres and the development of social and cultural trends. Culture is examined through the elements of music, instrumentation, the role of industry and promoters, artists, and writers.

POST-INTENSIVE FRENCH 9 (PIF9) (compulsory, or an exemption)

In this course, students must try to speak French during class, participate, and be a careful listener. Topics include: review/révisions de bases, music/la musique and social responsibility/ La responsabilité sociale. The overall goal of PIF is to improve proficiency in speaking, reading, and writing in French.

POST-INTENSIVE FRENCH 10 (PIF10) (compulsory, or an exemption) (pre-req. PIF 9)

[Languages & Literacies Cluster]

In this course, students must try their best to speak French during class, participate in conversation activities and be a careful listener. Topics explored include introductions, the big screen and means of travel.

POST INTENSIVE FRENCH 110, 120 (pre-requisite: Post Intensive French 10)

[Languages & Literacies Cluster]

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 a pre-requisite for PIF 122.**

POWER TRAIN AND CHASSIS 110

[Career Connected Cluster]

The aim of this course is to cultivate the need and desire of learners to follow safe work practices and to develop the language and work skills of the trades by being able to demonstrate skills and knowledge of workplace safety, identify the tools, techniques and rules governing the automotive industry, explore career awareness in automotive repair and associated trades and explore post-secondary options for continued education.

PRE-CALCULUS 110

[Math Cluster]

This course will lay the foundation in Algebra, Trigonometry and Functions and Relations, to allow students to continue with Pre-Calculus and Calculus courses. The six Big Ideas explored are: rational expressions and equations, radical expressions and equations, quadratic functions and equations, systems of equations and linear and quadratic inequalities, trigonometry and absolute value functions and equations.

PRE-CALCULUS 120A (pre-requisite Pre-Calculus 110)

[Math Cluster]

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 (pre-requisite or co-requisite Pre-Calculus 120A)

[Math Cluster]

Students will 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.

PSYCHOLOGY 110

[Wellness & Physical Education Cluster]

Students in Psychology 110 will gain transferrable skills to apply to daily interactions, understand, communicate, empathize, and cooperate with others, and maintain healthy relationships to support positive mental health. This will lead to stronger interpersonal and intrapersonal relationships at home, school and in the workforce. Students will cover a variety of areas related to psychology including social relationships, memory, learning, and how to apply their knowledge to consider current and ethical research practices. Students will have the opportunity to examine psychological disorders and their preventions and treatments. Some topics include emotions, systems, learning and intelligence, research methods, consciousness and historical perspectives in psychology.

PSYCHOLOGY 120

[Wellness & Physical Education Cluster]

This course is the study of the human mind and behaviour. Students will explore topics such as wellness, sleep, stress, psychological disorders, social psychology, and the teenage brain. This course heavily relies on current, real-to-life examples such as fake news, online-filter-bubbles, the bystander effect, and conformity. Students will develop skills in critical thinking, conversational skills, self-awareness, and personal growth.

RESIDENTIAL FINISH 120

[Career Connected Cluster]

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 TECH 120

[Career Connected Cluster]

This class is designed to introduce students to both building and programming robots. Through VEX systems, students will experience both the virtual and real-world problems. A series of challenges will get increasingly more difficult leading up to a grand challenge. This is both an individual and group course. Learners will challenge their peers to complete tasks quickly and efficiently.

SCIENCE 9 (compulsory)

This is a one semester course that focuses on living systems. Units include science skills whereby students learn to create scientific questions, make predictions, investigate, make a conclusion, and apply it to their learning, the organization of living things and ecology and ecosystems.

SCIENCE FOR SUSTAINABLE SOCIETIES 10 (FI OPTION)

[Science Cluster]

This course is designed to provide students with an introduction to the students of Chemistry (matter) and Physics (energy). Students engage in three processes of scientific literacy, inquiry, problem-solving and decision making. Units of study include: Power, work and energy/lab safety, chemistry and nuclear technology and energy and electrification. This course is a pre-requisite for Chemistry 11 and Physics 11.

SCRIPT, STORY & WORD 120

[Local Option, Flexible Credits]

This course is where creative writing and performance meet. Students will write stories, scripts, monologues, sketches, rants, stand-up, spoken word poetry, interviews, and other genres. This class allows students to explore different forms of media. Projects could be performed live in class or on stage, or be recorded as podcasts or audio dramas, or shot as short videos. You will be part of a creative community, and workshop many different genres, as you discover the model that is right for you. This class is workshop based. Students read class texts, do writing exercises, and conduct social drafting. Students will track their creative growth, and their critical understanding of the different styles, genres and forms created in class.

SOCIAL STUDIES 9 (compulsory)

This study of Canadian identity will examine issues, respond critically and creatively, and make informed decisions as individuals and as citizens of Canada and of an increasingly interdependent world. This course will explore: Canadian identity, Geography, Immigration, History, Indigenous topics, current events, and challenges/opportunities.

SOCIOLOGY 120

[Core Cluster Elective or Flexible Credits]

This course examines the origins of sociology and the various branches and belief systems that have developed over the past few centuries. Sociology seeks to understand human behavior in social context. Canadian societies and the various groups that make up this great country, will be examined. Students will learn more about the society in which we live with regards to human relationships and especially how individuals act, react and interact.

SPORT AND RECREATION LEADERSHIP 120

[Wellness & Physical Education Cluster]

This course develops leadership skills through involvement in physical activities. The course involves theory in the classroom and teachings in the gymnasium. A minimum of 30 volunteer hours in leadership is required to be completed in the semester of the course. Each student will present 4 major teaching topics in class to their peers. Themes include leadership, sports administration, teaching, coaching, and officiating.

TUNE UP AND EMISSIONS 120 (prerequisite: Power Train & Chassis 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 9 (compulsory)

In this course, learners will explore a variety of art styles and art mediums including both studio art and art history. Learners will learn, practice and create various artworks in topics such as sketching, tracing and painting. Students will study different important artists and works. Other topics include cartoon art, critiques, history of animation and Renaissance artists.

VISUAL ARTS 10 (pre-requisite: Visual Arts 9)

[Creative Arts Cluster]

This course explores a variety of media and techniques through six units of study; Indigenous art, sketching, water colour, colour theory, antiquity and sculpture. Learners will be evaluated on their studio work, critiques, research, tests and reflections.

VISUAL ARTS 110 (pre-requisite Visual Arts 10)

[Creative Arts Cluster]

This course digs deeper into the world of visual arts by strengthening gained studio art skills and enhancing knowledge of art history. Art history will explore different eras and artworks created during historical and more modern time periods. Topics explored include painting, sculpture, comic art, painting | acrylic and watercolour, sketching, critiques and gallery presentations.

VISUAL ARTS 120 (pre-requisite Visual Arts 110)

[Creative Arts Cluster]

This is an advanced course of study that requires students to be able to work independently to develop a sophisticated portfolio of studio work. Learners can expect a variety of mini-lectures, in-class demos, and research examples to support an independent project and guided units. Units explored include installation art, pottery, abstract art and painting.

WABANAKI STUDIES 120

[Humanities Cluster]

This course is a course designed to promote understanding of Indigenous perspectives, focusing on the Wabanaki perspective of life in the Maritimes. The course uses a decolonized approach to learning as much as possible to provide authentic experiences. Students will be provided opportunities to collaboratively explore Indigenous worldviews, culture, history, and contributions across Canada – past, present, and future with a focus on the importance of Indigenous advocacy as agents for social change.

WELLNESS THROUGH PHYSICAL EDUCATION 110 (FI Option) (pre-requisite Phys. Ed 10)

[Wellness & Physical Education Cluster]

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.). Students will be evaluated on the physical and theoretical essential learnings through knowing, doing, valuing and a final assessment. Students must have completed Grade 9/10 Physical Education and Health.

WORLD ISSUES 120 or FI WORLD ISSUES 120

[Humanities Cluster]

Learners will examine the global challenges of building a sustainable and equitable future, focusing on current issues that demonstrate these challenges. Learners will study The Global Village, Humanity, Players in the Global Community, Issues in the Global Village and the Future of the Global Community. Topics include Canada and the world, current events and global awareness, diversity, immigration, peace and security in the global community and social, cultural, economic and political issues.

WRITING 110

[Languages & Literacies Cluster]

Learners will have opportunities to write in a variety of modes with relevant and varied purposes for real audiences, and for themselves. Learners will have opportunities to create pieces of writing based on personal interest and writer identity through the five stages of the writing process: prewriting, drafting, revising, editing and publishing.

YOGA 110

[Wellness & Physical Education Cluster]

Yoga 10 will help learners develop an understanding of how to support physical, emotional, and mental health along with practices that encourage it and help support self-regulation and improve the mind/body awareness/connection. The Big Ideas are: Proper Breathing and Asana Practice, Origins and Philosophy of Yoga and Integration of Mindful Practice. Vinyasa, Hatha, Ashtanga, Bikram Yin and Restorative yoga will be practiced.

Graduation Requirements

All courses have been assigned to a cluster. Some courses are in more than one cluster. Courses can not be counted for credit-hours in more than one area.

Language& Literacies Cluster	24 Credit hours
Humanities Cluster	8 Credit hours
Mathematics Cluster	12 Credit hours
Science Cluster	8 Credit hours
Personalized Well Being Cluster	20 Credit hours
*Core Cluster Electives	8 Credit hours
<u>**Flexible Cluster Electives</u>	<u>20 Credit hours</u>
Minimum to graduate total	100 Credit hours

*Any 2 Courses (8 credit hours) from Language & Literacies, Humanities, Mathematics, Science or Personalized Well Being Cluster.

**Includes all options for Credit-Courses from any cluster, local options, personal interest courses

Career Life Plan

Students are also required to complete a Career Life Plan in myBlueprint including their plans beyond high school. It will develop writing skills, engage in an interview opportunity and participate in an authentic career connected experiential learning opportunity.

2025-2026 COURSE SELECTION SHEET FOR STUDENTS ENTERING GRADE 10

GENERAL INFORMATION ABOUT GRADE 10

- ✓ Students will take five classes per semester.
- ✓ Students are enrolled in the English Prime Program OR the French Immersion Program. Students **CANNOT** change their program without completing the application process with the guidance department in consultation with District prior to end of April.
- ✓ All courses are one semester in length and upon successful completion, count as 4 credit hours.
- ✓ Students are required to complete a minimum of 100 credit hours from specific clusters to be eligible to graduate. Credit hours accumulate after the successful completion of grade 10,11,12 courses.
- ✓ ****Science 10/FI Science 10** is required if planning to take Chemistry or Physics courses.
- ✓ To graduate with a French Immersion certificate, students need to enroll in a minimum of ten French Immersion courses over grades 10, 11 & 12.
- ✓ ***Italicized*** courses are French Immersion ONLY
- ✓ The schedule for each program is listed below. The shaded cells are mandatory requirements.
- ✓ * Courses with an asterisk may be used to fulfill the requirements for no more than one cluster.

Course Selection for Grade 10 Students

English Program		French Immersion Program	
English Language Arts 10 Foundational		English Language Arts 10 Foundational	
Geometry, Measurement, and Finance 10		<i>F.I. Geometry, Measurement, and Finance 10</i>	
Civics		<i>F.I. Civics</i>	
Post Intensive French 10		<i>French Immersion Language Arts 10</i>	
Language & Literacies Cluster (Choice)		Language & Literacies Cluster (Choice)	
Mathematics Cluster (Choice)		Mathematics Cluster (Choice)	
Science Cluster (Choice)		Science Cluster (Choice)	
Creative Arts Cluster (Choice)		Creative Arts Cluster (Choice)	
Wellness Cluster (Choice)		Wellness Cluster (Choice)	
Career Cluster (Choice)		Career Cluster (Choice)	
Humanities Cluster (Choice)		Humanities Cluster (Choice)	
<p>Students must acquire a minimum requirement of 12 credit hours in the mathematics cluster to graduate (3 courses). Every student must complete Geometry, Measurement and Finance 10 (or FI GMF 10). Students need to choose Numbers Relations and Functions 10 (or FI NRF 10) OR Financial Math 110 in grade 10. This decision will impact what math pathway students can take.</p>			
	Grade 10 Mathematics Course Choice		Optional Math Courses after Grade 10
Path A:	•Financial Math 110	→	Financial Math 120, NBCC Skilled Trade Math 120
Path B:	•Numbers, Relations and Functions 10 / FI Numbers, Relations and Functions 10	→	Foundations Math 110 /FI Foundations Math 110, Foundations Math 120, Financial Math 110, Financial Math 120, NBCC Skilled Trade Math 120, Pre-Calc 110, Pre-Calc 120A, Pre-Calculus 120B, Calculus 120

MUST CHOOSE 6 COURSES FROM THE CLUSTERS BELOW- After picking 4 courses from the clusters with "MUST Choose", the remaining 2 courses can be from ANY cluster. PUT THE LETTER "X" NEXT TO YOUR CHOICE

2025-2026 COURSE SELECTION SHEET FOR STUDENTS ENTERING GRADE 10

Mathematics Cluster (MUST Choose 1)		Creative Arts Cluster (MUST Choose AT LEAST 1)	
<i>FI Numbers, Relations & Functions 10</i>		Dramatic Arts 110	Music 10 Guitar/Piano
Financial Workplace Mathematics 110		*Fashion Design 110	Music 10 Vocal
Numbers, Relations & Functions 10		Graphic Art & Design 110	Popular Music 120
		*Media Studies 120	Recording & Sound Design 120
		Music 10 Band	Visual Arts 10
Languages/Literacies Cluster (MUST Choose AT LEAST 1)		Career Cluster	
Children's Literature 120		Computer Aided Design 110	*Fashion Design 110
English Language Arts 10 Extended		Computer Science 110	Goals, Growth & Grit 120
Journalism 120		Culinary Technology 110	Housing & Design 120
*Media Studies 120		Digital Production 120	Human Physiology 110
Writing 110		Entrepreneurship 110	Internal Combustion Engines 110
			Intro to Skilled Trades 110
Science Cluster (MUST Choose AT LEAST 1)		Wellness Cluster	
Agriculture 110	<i>FI Science 10</i> Must take before Chemistry/Physics	Early Childhood Development 120	Nutrition for Healthy Living 120
Biology 112	Science 10 Must take before Chemistry/Physics	<i>FI Individual Family Wellness 120</i>	Outdoor Education 110
<i>FI Biology 112</i>	Human Physiology 110	Individual Family Wellness 120	Physical Education 10
Chemistry 112 (P)		Health Care 110	Psychology 110
Environmental Science 120		Human Services 110	<i>FI Wellness Physical Education 110(P)</i>
			Wellness Physical Education 110 (P)
Humanities Cluster			Local Option
Ancient & Medieval History 112	Modern History 112	Wabanaki Studies 120	Script, Story & Word 120
<i>FI Modern History 112</i>	Modern History 113		

It is extremely important that you **choose your courses carefully** based on your future plans and interests. We will do our best to fill your requests, however, course conflicts may occur. As a result, it is **critical that alternate selections be made. PUT THE LETTER "A" NEXT TO 2 COURSES YOU WOULD LIKE AS AN ALTERNATE COURSE IN THE EVENT YOU DO NOT GET YOUR FIRST SELECTION. (DO NOT CHOOSE AN ALTERNATE IN THE MATH CLUSTER)**

2025-2026 COURSE SELECTION SHEET FOR STUDENTS ENTERING GRADE 11

* Courses with an asterisk may be used to fulfill the requirements for only one cluster. (P) indicates a pre-requisite course is required. Italicized courses are French Immersion ONLY Mark an "X" beside your selections and then build your schedule on the back by writing in your course name and level.

Math Cluster - min 12 credit hours = 3 courses		Languages & Literacies Cluster - min 24 credit hours = 6 courses	
REQUIRED		REQUIRED	
Geometry Measurement & Finance 10		Post Intensive French 10	English 112 Extended
<i>FI Geometry Measurement & Finance 10</i>		<i>FI Language Arts 10</i>	English 113 Extended
Financial & Workplace Mathematics 110		English 10 Foundational	<i>FI Language Arts 110 (P)</i>
Financial & Workplace Mathematics 120 (P)		English 112 Foundational	<i>FI Language Arts 120 (P)</i>
Foundations of Mathematics 110 (P)		English 113 Foundational	Journalism 120
<i>FI Foundations of Mathematics 110(P)</i>		Canadian Literature 110	*Media Studies 120
Foundations of Mathematics 120 (P)		Children's Literature 120	Post Intensive French 110 (P)
NBCC Skilled Trades Math 120 (P)			Writing 110
<i>FI Numbers Relations & Functions 10</i>		Humanities Cluster - min 8 credit hours = 2 courses	
Numbers Relations & Functions 10		REQUIRED	
Pre-Calculus 110 (P)		Civics 10	<i>FI Modern History 112</i>
Pre-Calculus A 120 (P)		<i>FI Civics 10</i>	Modern History 113
Pre-Calculus B 120 (P)		Ancient & Medieval History 112	Wabanaki Studies 120
		Canadian History 122	World Issues 120
		Modern History 112	<i>FI World Issues 120</i>
		Humanities Courses below can only be used in Core/Flex Clusters	
		Economics 120	Political Science 120
		Law120	Sociology 120
Science Cluster - min 8 credit hours = 2 courses			
Agriculture 110		<i>FI Biology 122 (P)</i>	Physics 112 (P)
Auto Electrical Systems 120*(P)		Chemistry 112 (P)	Physics 122 (P)
Biology 112		Chemistry 122 (P)	Science for Sustainable Societies 10
<i>FI Biology 112</i>		Environmental Science 120	<i>FI Science for Sustainable Societies 10</i>
Biology 122 (P)		Human Physiology 110	
PERSONAL WELL BEING CLUSTERS - 20 credit hours from subclusters below = 5 courses			
Creative Arts Cluster min 4 credit hours = 2 courses		Wellness & Physical Education Cluster min 4 credit hours = 1 course	
Dramatic Arts 110	Music 112 = Guitar/Piano	Advanced Training Principles 120	Physical Education 10
Dramatic Arts 120	Music 111 = Band	Early Childhood Development 120	Psychology 110
*Digital Production 120	World Music 120	Health Care 110	Psychology 120
* Fashion Design 110	Popular Music 120	Human Services 110	Sport & Recreation Leadership 120
Graphic Art & Design 110	Recording & Sound Design 120	Individual Family Wellness 120	<i>FI Wellness through Physical Education 110 (P)</i>
Music 10	Visual Arts 10	<i>FI Individual Family Wellness 120</i>	Wellness through Physical Education 110 (P)
*Media Studies 120	Visual Arts 110 (P)	Nutrition for Healthy Living 120	Yoga 110
Music 122 = Vocal	Visual Arts 120 (P)	Outdoor Education 110	

2025-2026 COURSE SELECTION SHEET FOR STUDENTS ENTERING GRADE 11

Career Connected Cluster - min 4 credit hours = 1 course				
*Auto Electrical Systems 120(P)	Cybersecurity & Tech Support 110		Financial Accounting 120	Mill & Cabinet Work 120
Business Management 120	Cybersecurity 120		Growth, Goals, & Grit 120	Power Train & Chassis 110
Computer Aided Design 11	*Digital Production 12		Housing & Design 120	Residential Finish 120
Computer Science 110	Early Childhood Services 110		Internal Combustion Engines 110	Robotics & Automated Tech 120
Computer Science 120 (P)	Entrepreneurship 110		Intro to Skilled Trades 110	Tune Up & Emissions 120 (P)
Culinary Tech 110	* Fashion Design 110		Metals Processing 110	
Culinary Tech 120 (P)	Framing & Sheathing 110		Metals Processing 120 (P)	
Local Option Courses – Considered Flexible Credits (No more than two of these courses can count towards the credit hours for graduation)				
Advanced Theatre Arts 120	Local Ecology 110		Pathology 120	
Advanced Outdoor Education 120 (P)	Painting and Sculpture 120		Script, Story & Word 120	

2025-2026 COURSE SELECTION SHEET FOR STUDENTS ENTERING GRADE 12

* Courses with an asterisk may be used to fulfill the requirements for only one cluster.

(P) indicates a pre-requisite course is required.

Italicized courses are French Immersion ONLY

Mark an "X" beside your selections and then **build your schedule** on the back by writing in your course name and level.

Math Cluster - min 12 credit hours = 3 courses		Languages & Literacies Cluster - min 24 credit hours = 6 courses	
REQUIRED		REQUIRED	
Geometry Measurement & Finance 10	<i>FI Geometry Measurement & Finance 10</i>	Post Intensive French 10	English 112 Extended
Calculus 120	Financial & Workplace Mathematics 110	<i>FI Language Arts 10</i>	English 113 Extended
Financial & Workplace Mathematics 120 (P)	Foundations of Mathematics 110 (P)	English 10 Foundational	<i>FI Language Arts 110 (P)</i>
Foundations of Mathematics 110 (P)	<i>FI Foundations of Mathematics 110(P)</i>	English 112 Foundational	<i>FI Language Arts 120 (P)</i>
Foundations of Mathematics 120 (P)	NBCC Skilled Trades Math 120 (P)	English 113 Foundational	Journalism 120
<i>FI Numbers Relations & Functions 10</i>	Numbers Relations & Functions 10	English 122 Foundational	*Media Studies 120
Pre-Calculus 110 (P)	Pre-Calculus A 120 (P)	English 123 Foundational	Post Intensive French 110 (P)
Pre-Calculus B 120 (P)		Canadian Literature 120	Post Intensive French 120 (P)
		Children's Literature 120	Writing 110
		Humanities Cluster - min 8 credit hours = 2 courses	
		REQUIRED	<i>FI Modern History 112</i>
		Civics 10	Modern History 113
		<i>FI Civics 10</i>	Wabanaki Studies 120
		Ancient&Medieval History 112	World Issues 120
		Canadian History 122	<i>FI World Issues 120</i>
		Modern History 112	
		Humanities Courses below can only be used in Core/Flex Clusters	
		Economics 120	Political Science 120
		Law120	Sociology 120
Science Cluster - min 8 credit hours = 2 courses			
Agriculture 110		<i>FI Biology 122 (P)</i>	Physics 112 (P)
*Auto Electrical Systems 120 (P)		Chemistry 112 (P)	Physics 122 (P)
Biology 112		Chemistry 122 (P)	Science for Sustainable Societies 10
<i>FI Biology 112</i>		Environmental Science 120	<i>FI Science for Sustainable Societies 10</i>
Biology 122 (P)		Human Physiology 110	
PERSONAL WELL BEING CLUSTERS - 20 credit hours = 5 courses from subclusters below			
Creative Arts Cluster min 4 credit hours = 1 course		Wellness & Physical Education Cluster min 4 credit hours = 1 course	
Dramatic Arts 110	Music 112 = Guitar/Piano	Advanced Training Principles 120	Physical Education 10
Dramatic Arts 120	Music 111 = Band	Early Childhood Development 120	Psychology 110
*Digital Production 120	World Music 120	Health Care 110	Psychology 120
* Fashion Design 110	Popular Music 120	Human Services 110	Sport & Recreation Leadership 120
Graphic Art & Design 110	Recording & Sound Design 120	Individual Family Wellness 120	<i>FI Wellness through Physical Education 110 (P)</i>
Music 10	Visual Arts 10	<i>FI Individual Family Wellness 120</i>	Wellness through Physical Education 110 (P)
*Media Studies 120	Visual Arts 110 (P)	Nutrition for Healthy Living 120	Yoga 110
Music 122 = Vocal	Visual Arts 120 (P)	Outdoor Education 110	

2025-2026 COURSE SELECTION SHEET FOR STUDENTS ENTERING GRADE 12

Career Connected Cluster - min 4 credit hours = 1 course				
*Auto Electrical Systems 120(P)	Culinary Tech 120 (P)	*Fashion Design 110	Metals Processing 110	
Business Management 120	Computer Science 120(P)	Framing & Sheathing 110	Metals Processing 120 (P)	
CO-OP ED 120	Cybersecurity & Tech Support 110	Financial Accounting 120	Mill & Cabinet Work 120	
<i>FI CO-OP ED 120</i>	Cybersecurity 120	Growth, Goals & Grit 120	Power Train & Chassis 110	
Computer Aided Design 110	*Digital Production 120	Housing & Design 120	Residential Finish 120	
Computer Science 110	Early Child Services 110	Internal Combustion Engines 110	Robotics & Automated Tech 120	
Culinary Tech 110	Entrepreneurship 110	Intro to Skilled Trades 110	Tune Up & Emissions 120 (P)	
Local Option Courses – Considered Flexible Credits (No more than two of these courses can count towards the credit hours for graduation)				
Advanced Theatre Arts 120	Local Ecology 110	Pathology 120	Script, Story & Word 120	
Advanced Outdoor Education 120 (P)	Painting and Sculpture 120	Physics PLUS 120		

TRACK YOUR GRADUATION STATUS

Language & Literacies Cluster (24 Credits Hours = 6 Courses)		
4	4	4
4	4	4
Mathematics Cluster (12 Credit Hours = 3 Courses)		
4	4	4
Humanities Cluster (8 Credit Hours = 2 Courses)		
4	4	
Science Cluster (8 Credit Hours = 2 Courses)		
4	4	
Personalized Well Being Cluster (20 Credit Hours = 5 Courses)		
4	4	
Creative Arts	Wellness & Physical Education	Career Connected
4	4	4
Core Cluster Electives (8 Credit Hours from any Cluster = 2 Courses)		
4	4	
Flexible Credits (Minimum 20 Credit Hours = 5 Courses)		
4	4	4
4	4	4
4	4	
4	4	

Courses and Cluster Options – Bernice MacNaughton High School

Languages and Literacies Cluster													
Required: 24 credit hours + ELPA													
Compulsory: <ul style="list-style-type: none"> • PIF/FILA 10 (or one EAL) • Grade 10: ELA Foundational • Grade 11: ELA Foundational • Grade 12: ELA 12 	Options: <table style="width: 100%; border: none;"> <tr> <td style="padding: 2px 10px 2px 20px;">ELA Extended 10</td> <td style="padding: 2px 10px 2px 20px;">EAL essentials A1-B1</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">ELA Extended 11</td> <td style="padding: 2px 10px 2px 20px;">PIF 11</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Writing 11</td> <td style="padding: 2px 10px 2px 20px;">PIF 12</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Journalism 12</td> <td style="padding: 2px 10px 2px 20px;">FILA 11</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Media Studies 12</td> <td style="padding: 2px 10px 2px 20px;">FILA 12</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Children’s Literature 12</td> <td></td> </tr> </table>	ELA Extended 10	EAL essentials A1-B1	ELA Extended 11	PIF 11	Writing 11	PIF 12	Journalism 12	FILA 11	Media Studies 12	FILA 12	Children’s Literature 12	
ELA Extended 10	EAL essentials A1-B1												
ELA Extended 11	PIF 11												
Writing 11	PIF 12												
Journalism 12	FILA 11												
Media Studies 12	FILA 12												
Children’s Literature 12													
Humanities													
Required: 8 credit hours													
Compulsory: <ul style="list-style-type: none"> • Civics 	Options: <table style="width: 100%; border: none;"> <tr> <td style="padding: 2px 10px 2px 20px;">Ancient and Medieval History 11</td> <td style="padding: 2px 10px 2px 20px;">World Issues 12</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Modern History 11</td> <td style="padding: 2px 10px 2px 20px;">Wabanaki Studies 12</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Canadian History 12</td> <td></td> </tr> </table>	Ancient and Medieval History 11	World Issues 12	Modern History 11	Wabanaki Studies 12	Canadian History 12							
Ancient and Medieval History 11	World Issues 12												
Modern History 11	Wabanaki Studies 12												
Canadian History 12													
The courses below can only be used in the Core Cluster Electives or Flexible Credits Category													
Economics 12	Political Science 12												
Law 12	Sociology 12												
Mathematics													
Required: 12 credit hours													
Compulsory: <ul style="list-style-type: none"> • Geometry, Measurement & Finance 10 	Options: <table style="width: 100%; border: none;"> <tr> <td style="padding: 2px 10px 2px 20px;">Numbers, Functions & Relations 10</td> <td style="padding: 2px 10px 2px 20px;">Foundations of Math 12</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Financial Workplace 11</td> <td style="padding: 2px 10px 2px 20px;">Pre-Calculus Math 11</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Financial Workplace 12</td> <td style="padding: 2px 10px 2px 20px;">Pre-Calculus 12A</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">NBCC Skilled Trades 12</td> <td style="padding: 2px 10px 2px 20px;">Pre-Calculus 12B</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Foundations of Math 11</td> <td style="padding: 2px 10px 2px 20px;">Calculus 12</td> </tr> </table>	Numbers, Functions & Relations 10	Foundations of Math 12	Financial Workplace 11	Pre-Calculus Math 11	Financial Workplace 12	Pre-Calculus 12A	NBCC Skilled Trades 12	Pre-Calculus 12B	Foundations of Math 11	Calculus 12		
Numbers, Functions & Relations 10	Foundations of Math 12												
Financial Workplace 11	Pre-Calculus Math 11												
Financial Workplace 12	Pre-Calculus 12A												
NBCC Skilled Trades 12	Pre-Calculus 12B												
Foundations of Math 11	Calculus 12												
Sciences													
Required: 8 credit hours													
Compulsory: <ul style="list-style-type: none"> • N/A 	Options: <table style="width: 100%; border: none;"> <tr> <td style="padding: 2px 10px 2px 20px;">Science for Sus. Soc. 10</td> <td style="padding: 2px 10px 2px 20px;">Chemistry 12</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Enviro. Science 12</td> <td style="padding: 2px 10px 2px 20px;">Physics 11</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Biology 11</td> <td style="padding: 2px 10px 2px 20px;">Physics 12</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Biology 12</td> <td style="padding: 2px 10px 2px 20px;">Human Physiology 11</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Chemistry 11</td> <td style="padding: 2px 10px 2px 20px;">Agriculture 11</td> </tr> <tr> <td style="padding: 2px 10px 2px 20px;">Auto Electrical Systems 12</td> <td></td> </tr> </table>	Science for Sus. Soc. 10	Chemistry 12	Enviro. Science 12	Physics 11	Biology 11	Physics 12	Biology 12	Human Physiology 11	Chemistry 11	Agriculture 11	Auto Electrical Systems 12	
Science for Sus. Soc. 10	Chemistry 12												
Enviro. Science 12	Physics 11												
Biology 11	Physics 12												
Biology 12	Human Physiology 11												
Chemistry 11	Agriculture 11												
Auto Electrical Systems 12													

Creative Arts			
Required: 8 credit hours			
Compulsory:	Options:		
<ul style="list-style-type: none"> N/A 	Visual Arts 10 Visual Arts 11 Visual Arts 12 Graphic Arts and Des. 11 Dramatic Arts 11 Dramatic Arts 12 Digital Production 12 Media Studies 12	Music 10 Music 112 Music 122 Rec. & Sound Design 12 Popular Music 12 World Music 12	
Wellness & Physical Education			
Required: 4 credit hours			
Compulsory:	Options:		
<ul style="list-style-type: none"> N/A 	Advanced Training Principals 12 Early Childhood Dev.12 Health Care 11 Human Services 11 Ind Family Wellness 12 Nutrition for Healthy Living 12 Outdoor Education 11	Physical Education 10 Psychology 11 Psychology 12 Wellness Through Physical Education 11 Sport and Recreation Leadership 12 Yoga 11	
Career Connected			
Required: 4 credit hours			
Compulsory:	Options:		
<ul style="list-style-type: none"> Career Plan in myBlueprint 	Auto Electrical Sys. 12 Business Management 12 Growth, Goals and Grit 12 Co-op 12 Intro to Skilled Trades 11 Computer Aided Design 11 Cybersecurity and Tech Support 11 Cybersecurity 12 Computer Science 11 Computer Science 12 Digital Productions 12 Fashion Technology and Design 11	Robotics 12 Housing and Design 12 Early Childhood Services 11 Entrepreneurship 11 Internal Combustion Engines 11 Power Train & Chassis 11 Tune-up and Emissions 12 Metals Processing 11 Culinary Tech 11 Culinary Tech 12	Framing & Sheathing 11 Mill and Cabinet 12 Residential Finish 12

Note: Newcomers who are 14+ with a CEFR of A1-B1, Canadian Identities 9 may be 4ch in lieu of Civics

Note: Local Option courses may only be used to fulfill Flexible Credit Hours. (Advanced Theatre Arts 120, Advanced Outdoor Education 120, Pathology 120, Physics PLUS and Script, Story & Word 120)



COURSE CHANGE REQUEST 2025-2026

Timetable changes will be considered for the following reasons:

- The student failed a compulsory course.
- The student requires a course for post-secondary education.
- The student already successfully passed a course listed on their schedule.
- The student does not have the pre-requisite course required to take the one listed on their schedule.

*Please make an appointment with your school counsellor to make course changes by going to the school website. Under the “[Student Wellness](#)” tab select “[Book a Counsellor](#)”
Or by clicking on the link: [BMHS Counselling Appointments for Students](#)

BMHS Required Pre-requisites

Math Cluster

Financial Workplace 120 – Financial Workplace 110 required
 FI / Foundations Math 110 – FI / Numbers Functions and Relations required
 Foundations Math 120 – Foundations Math 110 required
 NBCC Skilled Trades Math 120 – Numbers, Functions and Relations or Financial 110 required
 Pre-Calculus 110 – Foundations 110 required
 Pre-Calculus A 120 – Pre-Calculus 110 required
 Pre- Calculus B 120 – Pre-Calculus A 120 required

LANGUAGE & LITERACY CLUSTER

English 11 Foundational – English 10 Foundational required
 English 12 Foundational – English 11 Foundational required
 FI Language Arts 11 – FI Language Arts 10 required
 FI Language Arts 12 – FI Language Arts 11 required
 Post Intensive French 11 – Post Intensive French 10 required
 Post Intensive French 12 – Post Intensive French 11 required

SCIENCE CLUSTER

Auto Electric System 120 – Internal Combustion Engines 110 required
 FI / Biology 122 – Biology 112 required
 Chemistry 112 – Science for Sustainable Societies 10 required, NRF 10 is strongly recommended
 Chemistry 122 – Chemistry 112 required
 Physics 112 - Science for Sustainable Societies 10 and NRF 10 required
 Physics 122 – Physics 112 required

CREATIVE ARTS CLUSTER

Music 10/11/12 – Music 9
 Visual Arts 110 – Visual Arts 10 required
 Visual Arts 120 – Visual Arts 110 required

WELLNESS & PHYSICAL EDUCATION CLUSTER

FI / Wellness through Physical Education 110 - Physical Education 10 Required

CAREER CONNECTED CLUSTER

Auto Electric System 120 – Internal Combustion Engines 110 required
 Computer Science 120 – Computer Science 110 required
 Culinary Technology 120 – Culinary Technology 110 required
 Metals Processing 120 – Metals Processing 110 required
 Tune Up & Emissions 120 – Auto Electrical Systems 120

LOCAL OPTIONS

Advanced Theatre Arts 120 – Theatre Arts 110 required
 Advanced Outdoor Education 120 – Outdoor Education 110 required
 Physics PLUS 120 – Physics 122 required
 Painting and Sculpture 120 – Visual Arts 10 required