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**ENROLLMENT GUIDELINES**

All courses are subject to limited enrollment and may be cancelled if numbers do not warrant a place in the timetable. Staffing allocations determine availability of sections/courses. Administration reserves the right to review section/course numbers each semester.



**Student schedules are subject to change from semester to semester.**

INTRODUCTION AND GENERAL COMMENTS

The purpose of this guide is to provide pertinent information for students as they select grade 10, 11, and 12 courses. The Graduation Requirement template on page 4 should be used as a reference.

**Choosing Courses:**

Each spring, students select courses for the following academic year. There is a wide variety of courses from which to choose in grades 10, 11, and 12, and a number of factors that should be considered when making these choices. It is important that students take time to carefully consider their options since it can be difficult to make changes once scheduling for the year is complete. Additional information may be obtained through the FHS Guidance Department.

**Course Descriptions:**

All courses have a name and number. The first two digits indicate grade, and the third digit indicates the level.

**Open or “0” courses** are offered at one level only. ex: Human Physiology 110, Law 120

**Level 2 courses** are academic/university/college preparatory. ex: Modern History 112, Biology 122

**Level 3 courses** are general/college preparatory. ex: Modern History 113, English 123

**Level 1 courses** are enriched university preparatory. ex: Chemistry 111, Physics 121

**Advanced Placement** **(AP) courses** give students the chance to experience university level work in high school. These courses provide preparation for writing the optional AP Exams in May.

Recommendations:

Please read the course descriptions and requirements carefully prior to course selection as many courses have recommendations. Some courses must be taken in sequence to fulfill the prerequisite. For example, Foundations of Mathematics 110 must be completed before Foundations of Mathematics 120.

Course Fees:

Please note that some courses require additional supplies and/or payment of lab, studio, or other fees.

**Timetables:**

Timetables are computer-generated and therefore courses fall by chance into either semester. Some listed courses may be cancelled due to insufficient enrollment. For senior students, certain courses required for university and college will not be completed in the first semester. However, applications to post-secondary institutions are usually assessed on past, present, and predicted performance at the time of application.

**Transcripts:**

All grade 10, 11, and 12 courses and final marks are permanently recorded on a student’s transcript. The school transcript provides an ongoing record of high school courses taken and marks obtained at any Anglophone NB public school. It is the official document required by post-secondary institutions to verify a student’s academic record. Transcripts are updated at mid-term and semester end.

**Transfer Students:**

Students transferring to FHS from other school systems will have their transcript assessed and graduation requirements adjusted accordingly.Every effort will be made to give credit for acceptable work completed.

**FRENCH IMMERSION CERTIFICATE PROGRAM**

Students in French Immersion who wish to maintain and improve their proficiency level are encouraged to take a minimum of three French Immersion courses in grade 11.

#### CERTIFICATE OF IMMERSION

This certificate is issued by the Anglophone School District West and is offered to all students who have all 5 FI courses in Grade 9 and 10, and a total combination of 5 FI courses over Grades 11 and 12.

#### CERTIFICATE OF PROFICIENCY

The certificate of Oral Proficiency is issued to **grade 12 students** either in the **Immersion or** **PIF program** and indicates a student’s level of proficiency. Students must be enrolled in an FI or PIF course (of any subject matter). This certificate is awarded by the Department of Education after an assessment by professional evaluators. The certificate is presented upon completion at the end of the semester. There is no cost for this assessment.

**FOCUS ON INFORMATION TECHNOLOGY (FIT) CERTIFICATE PROGRAM**

The Focus on Information Technology (FIT) Program is a national high school program for students interested in pursuing a career in an IT-related field. It provides high school students with technology and business skills, essential workplace skills, and work-related experience. The Information and Communication Technology Council of Canada will provide documentation and certificates to those who qualify.

**FIT BASIC CERTIFICATE**

Students who successfully complete the courses in one of the pathways listed below will receive a FIT Certificate upon graduation.

**Business & Information Analysis Network & System Operations**

-Information Technology 120 -Information Technology 120

-Business Management 120 -Business Management 120

-Entrepreneurship 110 -Technical Support 110

**Software Design & Development Interactive Media**

-Information Technology 120 -Information Technology 120

-Business Management 120 -Business Management 120

-Computer Science 110 -Digital Production 120

**FIT with EXPERIENCE CERTIFICATE**

Students will successfully complete the courses in one of the pathways listed above and will complete Cooperative Education 120 in a related field **OR** 200 hours of documented paid employment or volunteer work outside of school hours. To qualify, the experience must be in an approved, appropriate IT-related workplace.

GRADUATION REQUIREMENTS

**Language Arts and Languages** *(Minimum 24 credit hours)*

* ELA Foundational 10 *(Compulsory*)
* PIF 10/FILA 10 (Compulsory)

***\*\* Plus one elective from Language Electives list*** (Please check off below)

**For Grade 11:**

* Select ELA Foundational 111/112/113 *(Compulsory)*

***\*\* Plus one elective from Language Electives list*** (Please check off below)

**For Grade 12:**

* English 121, 122,123*(Compulsory)*

**Language Electives:** *(Minimum of 2 language electives)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| * Canadian Literature 120 * Children’s Literature 120 * ELA Extended 10 * ELA Extended 111/112/113 * ELA Info Text 10 * ELA Lit Text 10 * Graphic Novel 120 * Journalism 120 * Media Studies 120 * Reading Tutor 120 * Writing 110   \*AP Language Arts/Languages courses\* | | * FILA 110 * FILA 120 * PIF 110 * PIF 120 * FSL Techniques de Communication 110 * FSL Techniques de Communication 120 | | * Intro to Wolastoqey 110 * Spanish 110 * Spanish 120 |
| **Mathematics**  *(Minimum of 3 math courses--12 credit hours from this cluster.)*   * Geometry Measurement and Finance 10 *(Compulsory)* | | | | | | |
|  | | | | | | |
| Academic Electives | | | Applied Electives | | |
| * NRF10 * Foundations 110 * Foundations 120 * Pre-Cal 110 | * Pre-Cal 120A * Pre-Cal 120B * Calculus 120 * AP Calculus AB | | * Financial Workplace 110 * Financial Workplace 120 * NBCC Math 120 | | |

**Humanities** (C*ompulsory 2 courses--8 credit hours)*

* Civics *(compulsory plus 1 additional elective from the following:)*

|  |  |  |
| --- | --- | --- |
| * Ancient and Medieval History 112 * Canadian History 122 | * Modern History 111 * Modern History/FI 112 * Modern History 113 | * Wabanaki Studies 120 * World Issues/FI 120 |

**Science**  *(Compulsory 2 courses--8 credit hours)*

|  |  |  |  |
| --- | --- | --- | --- |
| * Biology/FI 112 * Biology 111 * Biology/FI 122 * Biology/FI 121 * AP Biology 120 | * Chemistry/FI 112 * Chemistry 111 * Chemistry 122 * Chemistry 121 | * Physics 112 * Physics 111 * Physics 122 * Physics 121 * AP Physics 2 120 | * Agriculture 110 * Auto Electrical Systems 120 \* * Environmental Geoscience 110 * Environmental Science 120 * Forestry 110 * Human Physiology 110 * Intro to Electronics 110 * Science for Sust. Societies/FI 10 |

**Personalized Well Being** *(****Compulsory 5 courses--20 credit hours) total from the next three clusters.*****Each of the clusters will need to have to have at least one course chosen from them***. Courses marked with \* may fit in more than one course cluster. It can only be used as a grad requirement for one cluster.*

**Creative Arts**  *1 Course (Compulsory):*

|  |  |  |
| --- | --- | --- |
| * Creative Arts 110 * Digital Production 120\* * Dramatic Arts 110 * Dramatic Arts 120 * Fashion Technology & Design 110\* * Fashion Technology & Design 120\* * Film 110 | * Graphic Art & Design 110 * Media Studies 120\* * Music 10 * Music 111 * Music 112 * Music 122 * Popular Music 120 | * Visual Arts 10 * Visual Arts 110 * Visual Arts 120 * \*\*Approved Local Option course\*\* |

**Wellness and Physical Education** *1 Course (Compulsory):*

|  |  |
| --- | --- |
| * Advanced Training Principles 120 * Early Childhood Development 120 * Health Care 110 * Human Services 110 * Individual and Family Wellness 120 * Nutrition and Healthy Living 120 | * Outdoor Education 110 * Outdoor Education 120 * Physical Education 10 * Psychology 110 * Psychology 120 * Sport and Recreational Leadership 120 * Wellness Physical Education 110 * Yoga 110 |

**Career Connected** *1 Course (Compulsory):*\*\*Personal Development and Career Planning 10 meets this requirement\*\*

|  |  |  |
| --- | --- | --- |
| **Info and Communication Tech**   * Computer Aided Design 110 * Computer Assisted Manufacturing 110 * Computer Science 110 * Computer Science 120 * Cyber Security & Tech Sup. 110 * Digital Production 120 \* * Information Technology 120 * Robotics & Automated Tech 120 | **Career and Occupational**   * Business Management 120 * COOP 120 (4 ch) * COOP 120 (8 ch) * COOP 120 (12 ch) * Early Childhood Services 110 * Entrepreneurship 110 * Fashion Tech and Design 110 * Fashion Tech and Design 120 * Financial Accounting 120 * Growth Goals and Grit 120 * Hospitality and Tourism 110 * Housing and Design 120 * Marketing 120 | **Skilled Trades**   * Auto Electrical Systems 120 \* * Culinary Tech 110 * Culinary Tech 120 * Electrical Wiring 110 * Electrical Wiring 120 * Framing and Sheathing 110 * Int. Combustion Engines 110 * Intro to Skilled Trades 110 * Metal Fab/Welding 110 * Metal Fab/Welding 120 * Metals Processing 110 * Mill and Cabinet Work 120 * Powertrain and Chassis 110 * Residential Finish 120 * Tune-up and Emissions 120 |

**Electives** *(Not indicated elsewhere)*

|  |  |
| --- | --- |
| 1. | 7. |
| 2. | 8. |
| 3. | 9. |
| 4. | 10. |
| 5. | 11. |
| 6. | 12. |

Total Credit Hours Obtained …………… /120 (must have 100)

Humanities

**ANCIENT/MEDIEVAL HISTORY 111/112/113**

**FI ANCIENT/MEDIEVAL HISTORY 112**

Ancient and medieval histories have an influence on popular culture, public discourse, and academic curricula. The roots of the present lie deep in the past, and an understanding of these societies will give students the ability to think critically about that influence and fosters the development of historical thinking. Thinking about how we are different from past societies—and how we continue to ponder many of the same questions—helps us to understand the human condition more broadly. Ancient and Medieval History addresses big ideas in civics, includes Indigenous perspectives and ways of knowing, and provides connections to the modern world. Ancient and Medieval History fosters thoughtful and engaged citizenship through the lens of topics students continue to find exciting, such as the Peloponnesian War between Athens and Sparta, Rome’s gladiatorial spectacle, and Henry VIII’s quarrel with the Roman Catholic Church. These interpretive skills are readily transferrable to a variety of activities and careers.

**AP WORLD HISTORY 120**

In AP World History you will learn about the Global Tapestry, Networks of Exchange, Land-Based Empires, Transoceanic Interconnections, Revolutions, Consequences of Industrialization, Global Conflicts, Cold War and Decolonization, and Globalization. Course time frame is 1200 to present.

**CANADIAN HISTORY 122**

This is a Canadian History course for grade 11/12 students interested in history and wanting to learn more about the five key relationships that make up Canadian History and how they have evolved over time. Emphasis will be on relationships between English and French, Aboriginal peoples, Immigrants and individuals and the State and our relationships with the United States and the United Kingdom.

**CIVICS**

**FI CIVICS**

In a rapidly changing world, it is critical that students are invested in the public good, equipped to make informed decisions, and supported in participating in democratic decision-making and civil discourse. This course focuses on the elements required to bolster this participation: citizenship, democratic processes, and fundamental human rights and freedoms. To preserve a healthy democracy, students must be prepared to examine how power is gained, used, and justified. They must also be prepared to support the protection of individual and collective rights and freedoms ensured within the context of constitutional democracy. **All students must take Civics as it is a compulsory graduation requirement.**

ECONOMICS 120 \*

This course is introductory economics aimed at familiarizing students with economic principles and providing them with an appreciation of the major economic issues in our society such as unemployment, inflation, GPD, provincial and federal budgets, as well as with programs,

strategies and regulations created to deal with these issues. Units include introductory concepts, supply and demand, the stock market, economic indicators, money and the Canadian baking system and stabilization policy.

LAW 120 \*

This course will provide students with a basic knowledge of the Canadian legal system and its operations as well as an awareness of the impact of the law on their lives. It will introduce the concepts and principles of civil and criminal law. Major topics include foundations of the legal system, criminal law, human rights, torts, and family law. Students will experience practical exposure to the law through guest speakers, a courtroom visit and daily current event discussions.

**MODERN HISTORY 111**

This is an enriched course for students wishing an in depth approach to history. Beginning with the reasons for the French Revolution and ending with the impact of the Cold War, students will use historical thinking, research and analysis to examine events and their consequences. Extensive use is made of the seminar method and Socratic circles. For the university bound student, for the student who reads avidly and for the student who likes to express himself/herself both orally and in writing, this course should interest you.

**MODERN HISTORY 112**

**FI MODERN HISTORY 112**

This course is designed for students who plan to attend post-secondary institutions. Students will learn about the most significant events and forces in the western world over the last 400 years which will include rights and revolution, nationalism and war. Students will become increasingly proficient in historical thinking, research and analysis and will demonstrate a competence in written and oral expression.

**MODERN HISTORY 113**

This course will enable the student to examine and become aware of the causes and impact of certain historical events and forces that have shaped the modern world. Topics include the

Humanities

**Continued**

French and Industrial Revolutions, war and

nationalism, totalitarianism and total war, crimes against humanity, and war by proxy. Students will practice historical thinking skills and be able to make connections between historical events and the present.

**POLITICAL SCIENCE 120 \***

This course examines political thought, systems, and engagement. Students investigate political philosophies, ideologies, and different forms of government through research, discussions, and simulations. Students will explore the structure and operations of governance in Canada as well as other democracies and non-democracies. Finally, students will examine the rights, responsibilities, and roles of individuals and groups in Canada including media, political groups, and Indigenous Peoples. Regular attendance is vital as there is a heavy focus on oral communication and group work, including a term seminar project.

**SOCIOLOGY 120 \***

This course is designed to be a broad introduction to the field of sociology. Students will explore the links between society and individual experiences, and develop the ability to critically examine, and better understand their own beliefs about the social world. Through various teaching and learning methods, students

will learn about such topics as culture, socialization, social control, and social movements. They will investigate major dimensions of inequality, including race, class, gender, ability, and sexuality. Throughout the course, students will consider issues of social justice, what “justice” means, and how the tools of sociological inquiry can be applies to promote a more just world.

**WABANAKI STUDIES 120**

This course is designed to help students gain an understanding of the Wabanaki Nations and traditional cultures in the Maritime Atlantic region (past, present, and future) and to see how First Nations and non-First Nations views have influenced the course of events in the Maritimes. Units include language and culture, religion and spirituality, ancient times, arts and crafts, community, and colonial relations with a focus on native culture and traditions. This elective is open to all grade 11/12 students who are interested in developing an understanding of First Nations culture and their perspectives on various indigenous issues.

**WORLD ISSUES 120**

**FI WORLD ISSUES 120**

This course is a study of global issues and relies heavily on student engagement, including seminars and challenging topical discussions. The course provides opportunity for student choice within the curriculum themes of humanity, interdependence, and geopolitics.

\**These courses are additional Humanities electives and do not meet the Humanities graduation requirement.*

Languages Arts and Languages

***Note: EAL class placements are determined by a combination of WIDA scores and teacher recommendation and cannot be selected by students.***

**EAL (English as an Additional Language)**

The WIDA MODEL test is used to identify students who would benefit from EAL classes. This test measures speaking, listening, reading, and writing in the areas of Social and Instructional Language, English Language Arts, Mathematics, Science, and Social Studies. After the WIDA test, a recommendation is made for one or more of the following courses:

**EAL 110 ESSENTIALS A1.1**

**EAL 110 ESSENTIALS A1.2**

**EAL 120 CONNECTIONS A2.1 AND**

**EAL 120 CONNECTONS A2.2 (A2 LEVEL)**

**EAL 120 EXPRESSIONS B1.1 AND**

**EAL 120 EXPRESSIONS B1.2 (B1 LEVEL)**

**Note**: ***Students may be required to repeat an EAL Pathway depending on their language development, but the course content will change to meet the needs of the learner.***

**English Language Arts Overview**  
High School English Language Arts includes required courses and optional levels. Learners engage with increasingly complex texts both collaboratively and independently. Emphasizing Canadian and diverse content, students must complete one level to advance. Course complexity increases with each grade.

**Grades 11 and 12 Levels**  
Students choose from Level 1, 2, or 3 courses:

* **Level 2**: The standard curriculum for grades 11 and 12, adjusted for breadth, depth, and inquiry based on the level. Students develop critical thinking and essential skills.
* **Level 3**: Focusing on clear communication through written and spoken word, students explore fiction, nonfiction, and diverse texts with guided assignments to enhance literacy skills. This course may be the perfect fit for students who are not planning to go to university.
* **Level 1**: Enriched courses for high-achieving, independent students with strong attendance. These courses emphasize deeper understanding, self-efficacy, and higher-order thinking.

Your course selections in high school will look as follows:

|  |
| --- |
| Required courses (you must select) |
| ENGLISH LANGUAGE ARTS 10 FOUNDATIONAL |
| ENGLISH LANGUAGE ARTS 10 EXTENDED |
| ENGLISH LANGUAGE ARTS 111/112/113 FOUNDATIONAL |
| ENGLISH LANGUAGE ARTS 121/122/123 |

|  |
| --- |
| Optional selections |
| ENGLISH LANGUAGE ARTS 111/112/113 EXTENDED |
| INTRO MI’KMAQ 110 |
| JOURNALISM 120 |
| TECH DE COMMUNICATIONS 110 |
| WRITING 110 |

ENGLISH LANGUAGE ARTS 10 FOUNDATIONAL

This is a one semester **required course**. It will provide focus on building essential learnings in all areas of the English Language Arts. After this course, learners will choose another language and literacy course. Learners will listen, view, read, and discuss increasingly complex information and literary texts, representing a variety of voices, both collaboratively and independently. With an emphasis on Canadian content, including indigenous authors, students will be exposed to a wide variety of texts representing diverse voices and perspectives. Learners will interact, read, and represent. They will understand the learning processes and strategies that work for them when creating a variety of texts.

ENGLISH LANGUAGE ARTS 10 EXTENDED

This is a one semester course that will provide strengths-based, relevant learning opportunities where learners (under the guidance of their teachers) will extend their literacy skills and connect to the world around them.

ENGLISH LANGUAGE ARTS 111/112/113 FOUNDATIONAL

This is a one semester **required course**, that builds upon the skills developed in English 10 Foundational. It will provide focus on building essential learnings in all areas of the English Language Arts, based on the skill descriptors and achievement indicators listed in the grade 11 holistic curriculum framework. After this course, learners will choose another language and literacy course.

Languages Arts and Languages

Cont’d

ENGLISH LANGUAGE ARTS 111/112/113 EXTENDED

This course is an elective, one semester course. This course will provide strengths-based, relevant learning opportunities where learners (under the guidance of their teachers) set goals, connect their knowledge to the world around them, and position themselves to achieve their literacy learning objectives.

ENGLISH LANGUAGE ARTS 121

This enriched course is designed for students who excelled in English 111/112. It provides opportunity for the student to appreciate, experience, and interpret literature through group discussion and an application of literary theory and criticism. Class members will contribute to guided discussions to develop an independent and critical understanding of material (print, visual, and audio).

ENGLISH LANGUAGE ARTS 122

This course is designed for students whose future may include university study. Students are expected to exercise independent and critical thinking as textual material is studied as a class, in groups, and individually. Formal writing is emphasized as a measure of student competency in writing and interpreting. Increasingly challenging material will be

presented .

ENGLISH LANGUAGE ARTS 123

This course is designed for students whose immediate future plans do not include university.

Emphasis is placed on clear communication, through both the written and spoken word. Students will continue their study of fiction and nonfiction texts. Guided assignments will provide opportunity for students to demonstrate their literacy skills.

CHILDRENS LITERATURE 120

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? Learners will engage in critical discussions on the ethical considerations surrounding children's literature, exploring how stories can promote empathy, understanding, and a sense of identity. The final aspect of the course, focused on creation and communication, empowers learners to demonstrate their understanding in ways that align with their interests and abilities, encouraging creative and critical responses to the rich world of children’s literature.

GRAPHIC NOVEL 120

Graphic Novel 120 will provide a unique opportunity for learners to examine this complex genre of visual storytelling in depth. The course will study the graphic novel, including the evolution of visual storytelling, text structure, artistic voice, artistic devices, and impact on the audience. Learners will read, discuss, and design a variety of visual texts, culminating in a deeper understanding of the choices made in visual storytelling.

JOURNALISM 120

Journalism 120 is a flexible elective that develops concise, accurate writing and critical thinking through real-world applications. Students explore the journalist's role in documenting and narrating society, fostering an understanding of informed citizenship in a democracy. The course emphasizes inquiry, collaboration, critical analysis, persuasive writing, and news values.

MEDIA STUDIES 120 \*

With increasing global connectedness, understanding media's role and power is more vital than ever. Media Studies 120 equips learners to navigate evolving media landscapes through critical inquiry and analysis. Centered on media consumption and creation, the course explores contemporary issues on global and local scales while fostering skills as both critical media consumers and creators.

READING TUTOR 120

Students are selected for Reading Tutor based on maturity, attendance, English proficiency, and interpersonal skills, requiring completion of Grade 10 ELA Foundational and Extended. Tutors sign a contract outlining responsibilities and should be fluent readers with strong comprehension, open to feedback, and aware of their strengths as readers. The course covers literacy research, teaching strategies, and assessment, with tutors designing individualized literacy programs. Tutors also develop skills in critical thinking, collaboration, leadership, and communication, while maintaining reflective journals, check-ins, or observations for teachers.

WRITING 110

In Writing 110, learners will explore diverse writing modes and purposes for real audiences and personal expression. The writing process includes prewriting, drafting, revising, editing, and publishing, with individual progress varying by learner. While some pieces may go through

all stages, this depends on the purpose. Assessment values both the process and the final product equally.

Languages Arts and Languages

Cont’d

ADDITIONAL LANGUAGE COURSES

FI LANGUAGE ARTS 10

This course is specifically designed for grade 10 French Immersion students to further enhance and maintain their linguistics skills in the French language.  Students will develop their proficiency in French through a variety of engaging activities, including meaningful

conversation, analyzing authentic texts, composing written pieces, and listening to a wide range of audio materials. This course aims to evolve the proficiency level of students while deepening their understanding of the Francophone culture.

**FI LANGUAGE ARTS 110**Students taking this course must have successfully completed Grade 10 FI Language Arts. This course is designed to maintain and

further develop French linguistic skills by taking

into consideration the four aspects of the

language (reading, writing, listening, speaking).

Oral participation is essential. There will be a

complete study of one play.

**FI LANGUAGE ARTS 120**

This course is designed to maintain and further

develop French linguistic skills by taking into

consideration the four aspects of the language

(reading, writing, listening, and speaking). Oral

participation is essential.

**FI TECHNIQUES DE COMMUNICATIONS 110**

This course is open to grade 11/12 students who wish to improve their oral and written skills in French. The program includes a variety of communication activities. The oral component is a very important aspect of the course.

**FI TECHNIQUES DE COMMUNICATIONS 120**

This course is open to grade 11/12 students who wish to improve their oral and written skills in French. The program includes a variety of

communication activities. The oral component is a very important aspect of the course.

**POST-INTENSIVE FRENCH 10**

Grade 10 Post Intensive French is course that aims to enhance the fluency and language understanding in French. Students will engage in a variety of communication activities including speaking, listening, reading, and writing. The course will also provide an opportunity to explore cultural aspects.

**POST-INTENSIVE FRENCH 110**

This course is designed for students who have successfully completed Post-Intensive French in

grades 9 and 10. Different themes are explored to improve students’ understanding (reading and

listening) and production (speaking and writing) of French.

**POST-INTENSIVE FRENCH 120**

The course is designed for students who have successfully completed Post-Intensive French in grade 10. Different themes are explored to improve students’ understanding (reading and listening) and production (speaking and writing) in French.

INTRODUCTORY WOLASTOQEY 110

The Introductory Wolastoqey 110 course is designed for students with little to no experience speaking the Wolastoqey language. This course provides students with an understanding of the nature of the language, basic communication skills in Wolastoqey Latuwewakon, and an appreciation of Wolastoqey culture. Students will learn and practice language through conversations, games, and written assignments. This course is open to all First Nation and non-First Nation students who want to learn the Wolastoqey Latuwewakon and develop a better understanding of the Wolastoqey culture.

**SPANISH 110**

The primary objective of this introductory course is to develop initial communicative abilities in the Spanish language. Students taking this course will experience continual practice in communicating and will become familiar with common Hispanic customs and traditions. This course is open to grade 11 and 12 students.

**SPANISH 120**

Students completing this course will be able to satisfy minimum courtesy requirements and maintain very simple face-to-face conversations on familiar topics. Students interested in post-secondary Spanish are encouraged to take this class as it permits a more in-depth study of the language.

*\*Courses with an asterisk may be used to fulfill the requirements for no more than one cluster.*

Mathematics

**AP CALCULUS & PRE-CALCULUS AB 120**

Students enrolling in this full-year course will receive credits for Pre-Calculus A 120, Pre-Calculus B 120 and AP Calculus AB 120. This course is an enriched program of study covering three semesters of work in two. It is designed to challenge students with a high ability in mathematics who can work at an accelerated pace. Topics covered are described below.

Prerequisites: Pre-Calculus 110 AND the recommendation from your Grade 11 math teacher who will provide an application form for interested students.

**CALCULUS 120**

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

***Note: This course will benefit students interested in post-secondary programs in science, engineering, and mathematics, although it may not be an entrance requirement. Students should check requirements for the specific program and institution in which they are interested.***

**Prerequisites:** Pre-Calculus A 120 **AND** Pre-Calculus B 120

**FINANCIAL & WORKPLACE MATH110**

**FI FINANCIAL & WORKPLACE MATH 110**

This course is the first of two courses designed for entry into many trades and technical programs and for direct entry into the work force. Concepts of right triangles, trigonometry, and angles of elevation and depression are applied. 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 and 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.

**Prerequisite:** Geometry, Measurement & Finance 10.

**Financial & Workplace Math 120**

This is the second of two courses in the Financial and Workplace pathway designed for entry into post-secondary trades and technical programs or for direct entry into the workforce. Topics include measuring, sine and cosine laws, properties of polygons, transformations of 2-D and 3-D shapes, small business finance, linear relationships, data interpretation, and probability.

Prerequisite: Financial and Workplace Math 110 OR Foundations of Mathematics 110.

**FOUNDATIONS OF MATHEMATICS 110**

**FI FOUNDATIONS OF MATHEMATICS 110**

This course is a pre-requisite for **Foundations of Mathematics 120** 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 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. Financial applications are analyzed.

**Prerequisites:** Geometry, Measurement and Finance 10 **AND** Number, Relations, and Functions 10.

**FOUNDATIONS OF MATHEMATICS 120**

This is the second of two courses in the Foundations of Mathematics pathway designed for entry into post-secondary academic programs not requiring pre-calculus. In statistics students are introduced to normal curves, and learn to interpret statistical data, using confidence intervals, confidence levels, and margins of error. To develop logical reasoning, students analyze puzzles and games and solve problems that involve application of set theory and conditional statements. The validity of odds and probability statements are assessed, and problems are solved that involve probability of

two events, the fundamental counting principle, permutations, and combinations. The binomial theorem is used to expand powers of a binomial. Data is represented using polynomial functions, exponential and logarithmic functions, and sinusoidal functions to solve problems. This course completes the Foundations of Mathematics pathway.

**Prerequisite**: Foundations of Mathematics 110

**GEOMETRY, MEASUREMENT & FINANCE 10**

**FI GEOMETRY, MEASUREMENT & FINANCE**

Geometry, Measurement and Finance 10provides foundations for further study in

geometry and measurement and develops financial literacy. Geometry, Measurement and Finance 10 is the final compulsive mathematics

Mathematics

Cont’d

course in New Brunswick. Topics include Pythagorean Theorem; polygons; angles; trigonometric ratios; metric and imperial systems of measurement; surface area and volume; unit pricing; currency exchange; income (gross and net pay); credit cards; loans; interest.

**NBCC SKILLED TRADES AND WORK-READY MATH 120 – Dual Credit with NBCC**

**(MATH 1208)**

NBCC Skilled Trades and Work-Ready Math 120 gives students the opportunity to practice skills individually, to solve problems with others, and to work on projects that incorporate mathematics. The intent of this course is that students become proficient with concepts in-context, so they can easily apply skills in workplace situations. Student should become familiar and proficient with the terms ‘accuracy’ and ‘precision’ and be able to determine what measuring tool is appropriate in various situations and will provide the required level of accuracy/precision. Lessons could also feature the opportunity to work with measurement tools such as a tape measure, metal ruler, micrometer, calipers, protractors, etc., in context. Imperial and S.I. units may be explored with a focus given to those most commonly found in the context of a post-secondary program or jobsite.

**Prerequisite:** Financial Workplace Math 110

**NUMBERS, RELATIONS, & FUNCTIONS 10**

**FI NUMBERS, RELATIONS & FUNCTIONS**

Number, Relations, and Functions 10provides foundations for more complex mathematical reasoning and/or calculus and includes number properties, algebra, and functions. Learners will analyze numbers and model factoring; graph and describe relationships between variables; analyze functions; apply understanding of systems of linear equations to solve problems. Learners will enact and apply prior *Mathematics K-9*knowledge. This course develops pathways to further studies in mathematics and/or preparatory skills for calculus.

**PRE-CALCULUS 110**

**FI PRE-CALCULUS 110**

This course, followed by later courses in Pre-Calculus and Calculus, is designed for entry into post-secondary programs requiring Pre-Calculus. Students demonstrate an understanding of absolute value of real numbers and solve problems that involve radicals, radical expressions, and radical equations. Students determine equivalent forms, simplify rational expressions, and solve problems that involve rational equations. They develop an understanding of angles in standard position (0° to 360°) and solve 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.

**Prerequisite:** Foundations 110

**PRE-CALCULUS A 120**

This course is a pre- or co-requisite for **Pre-Calculus B 120**. Students demonstrate and apply an understanding of the effects of horizontal and vertical translations, horizontal and vertical stretches, and reflections on graphs of functions and their related equations. They are introduced to inverses of functions, radical and exponential 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.

**Prerequisite:** Pre-Calculus 110

**PRE-CALCULUS B 120**

This course is a pre-requisite for **Calculus 120**. Students solve problems by analyzing arithmetic and geometric sequences and series, as well as by using permutation and combinations and operations on functions, including composition. They learn to factor polynomials of degree greater than 2, and to graph and analyze polynomial functions. Students also graph and analyze radical, reciprocal, and rational functions, building a function toolkit. Students are introduced to the concept of limits and determine the limit of a function at a point both graphically and analytically. They explore and analyze left and right-hand limits as approaches a certain value using correct notation, analyze the continuity of a function and explore limits which involve infinity.



**Pre- or Co-requisite:** Pre-Calculus A 120

**Sciences**

AGRICULTURE 110

This course includes the history and evolution of agriculture in New Brunswick which recognizes Indigenous and settler contributions, everyday impacts on life in New Brunswick, and specific types of agriculture predominant in New Brunswick. 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.

Lab Fee: $15.00

AUTOMOTIVE ELECTRICAL SYSTEMS 120 \*

This course introduces the student to the theory and operation of automotive electrical systems. Students will study the principles of electricity, including electron theory, magnetism and electrical symbols. Course content progresses to components of the charging, ignition and starting systems. Study also includes engine management systems, scanning on-board computers and diagnostics. This course may be used as a science credit for graduation purposes.

Lab Fee: $20.00

**BIOLOGY 111**

This course is designed for the student who is self-motivated with a genuine interest in science. The course topics are the same as the Biology 112 course; however, they will be covered in greater depth.

BIOLOGY 112

FI BIOLOGY 112

This course is geared to students who have an interest in nature and living things. Lab work and demonstrations will supplement classes. Topics covered are cell biology, classification, and a survey of the Kingdoms of life.

**BIOLOGY 121**

**Recommended:** Biology 111/112 and Chemistry 111/112

This course is designed for students who have demonstrated a high level of achievement in previous science courses. Topics covered include the nervous system, the endocrine system, the reproductive system, genetics, the structure of DNA, DNA synthesis, protein synthesis and an overview of the chordates. Students taking this course may elect to write the AP Biology exam.

**BIOLOGY 122**

**FI BIOLOGY 122**

**Recommended:** Biology 111/112 and Chemistry 111/112

This course is recommended for students who intend to study science at university. Topics

covered include the reproductive system, mitosis & meiosis, genetics, the structure of DNA, DNA replication, protein synthesis, genetic engineering, and evolution.

**CHEMISTRY 111**

**Highly Recommended:** Foundations of Mathematics 110 and Science for Sustainable Societies 10

This is an enriched chemistry course designed for students with a strong work ethic who are planning to take courses in science or engineering at the university level. Students selecting this course should have at least 90% in science and mathematics. This course covers all the topics from Chemistry 112, with enrichment in topics such as molecular orbital theory limiting reagents and empirical/molecular formulas. As well, students must complete a guided independent study on gas laws.

**CHEMISTRY 112**

**FI CHEMISTRY 112**

**Highly Recommended:** Foundations of Mathematics 110 and Science for Sustainable Societies 10

This is an introductory course in chemistry. This course continues to build upon chemical concepts learned in grade 10. Students planning to take nursing, engineering, or science (pure and applied) should consider taking this course. Topics covered are atomic bonding, chemical reactions, mathematical calculations related to reactions and solutions.

**CHEMISTRY 121**

**Highly** **Recommended:** Chemistry 111/112 **AND** Foundations of Mathematics 110

A continuation of Chemistry 111 designed for serious science students who plan to further their science education at the post-secondary level. The course covers all of the topics covered in Chemistry 122, with enrichment, plus a self study unit on Redox reactions. Students taking this course may elect to write the AP chemistry exam.

**CHEMISTRY 122**

**Highly Recommended:** Chemistry 111/112 **AND** Foundations of Mathematics 110

Students planning on taking science, engineering or nursing should take this course.

It is a continuation of Chemistry 112. Topics covered include organic chemistry, chemical equilibrium, acid-base chemistry and energy changes.

**ENVIRONMENTAL GEOSCIENCE 110**

The course provides a general introduction to physical geography and includes such topics as: The Earth as a rotating planet. Weather and

**Sciences**

**Continued**

Climate systems, Systems and Cycles of the solid Earth, Volcanoes, Tectonics, Landform Evolution, Soils, the Environment and the

Biosphere. Note: This is a hands-on course that requires students to work independently in a field research setting (multiple field trips during the semester). This course is recommended to those who are planning on pursuing university or college programs in geology, forestry, civil engineering, urban or rural planning or any field

related to the mining industry. We recommend that students have a strong showing in Science

10 as we will be covering topics related to both physics and chemistry.

**ENVIRONMENTAL SCIENCE 120**

The objective of this course is for students to develop the knowledge base and skills for investigating and analyzing environmental

issues and for communicating their knowledge and analysis to others.

Students will:

1. Identify the impact of personal behaviours on the environment, and recognize that caring for

and sustaining natural environments is an element of responsible global citizenship..

2. Analyze and propose solutions to current environmental issues through research,

experimentation, and a presentation of their findings with respect to the issue.

***Note: Students must have a strong work ethic and be able to work on independent/group work.***

***Note: All students will participate in a School Sustainability Project and/or a Wetland Centre of Excellence project.***

FORESTRY 110

Forests and sustainable forest management have and will continue to play an essential role in the social, environmental, and economic well-being of the province. Forestry 110 will develop an appreciation and understanding of the societal values placed on forested ecosystems, how forests are managed to achieve these values, and the interactions between humans and forests.

**HUMAN PHYSIOLOGY 110**

This course is designed to appeal to a wide range of learners, including students for whom

this will serve as their science graduation

requirement. The goal of this course is to build an understanding of the physiology of the

human body. Throughout the course students

will build their scientific literacy skills as they learn more about the different body systems and how they relate to each other. With this knowledge, students will be challenged to identify a physiological limitation and create an innovative product to assist individuals with that limitation. By the end of the course students will have more in-depth knowledge about their body and have made a positive contribution to their community.

INTRODUCTION TO ELECTRONICS 110

The basics of electronic theory and components of electronic devices are the subjects of this course. Students learn through a series of lab activities including many types of Direct Current circuit construction. This course will be of interest to students exploring career opportunities in many skilled trades and also those interested in many Engineering and technology disciplines. This course may be used as a Science credit for graduation purposes.

Recommended: Successful completion of Grade 10 Math.

PHYSICS 111

**Highly** **Recommended:** Foundations of Mathematics 110

An enriched physics course for the motivated science student. **Students electing to take this course should have better than average ability in mathematics and science.** Topics covered are the same as those in Physics 112 plus optics and interference of light.

**PHYSICS 112**

**Recommended:** Foundations of Mathematics 110 and Science for Sustainable Societies 10

An introductory physics course designed for students intending to go to university or technical school following graduation. Topics include kinematics and dynamics in one

dimension, momentum, work, energy and power, waves, light and sound.

**PHYSICS 121**

**Highly Recommended:** Physics 112/111 **AND** Foundations of Mathematics 110

A continuation of Physics 111 designed for above-average physics students. The course covers the same topics as Physics 122 plus torque and rotational motion. Students who take Physics 111/112, Physics 121 and AP Physics 2 120 will complete all of the content of a first year university course. Students may elect to write the AP Physics 1 exam.

**PHYSICS 122**

**Highly Recommended:** Physics 112 **AND** Foundations of Mathematics 110

Students planning to take science or engineering at university should take this course. It is a continuation of Physics 112. Topics covered include 2-dimensional kinematics and dynamics, circular motion, gravitation, electric and magnetic fields, static

**Sciences**

**Continued**

and current electricity. It is highly recommended to students who are considering taking this course that they have successfully completed Pre-Calculus /FI Pre-Calculus 110.

SCIENCE 10

FI SCIENCE 10

This course will investigate the connections between matter and energy in systems. The approach of this course will provide the critical

knowledge and skills required for upper-level high school courses, specifically chemistry,

environmental science, and physics. General topics include safety, chemistry, nuclear energy, and static and current electricity. This course is strongly recommended for those planning to take chemistry, physics, and environmental science in grade 11 and 12.

*\*Courses with an asterisk may be used to fulfill the requirements for no more than one cluster.*

**Personalized Wellbeing – Creative Arts**

CREATIVE ARTS 110

This is an overview course designed for all learners who have an interest in the arts. It is designed to encourage students to develop skill through exposure to a variety of challenges and problems requiring creativity and higher order thinking. Students will be required to work both individually and collaboratively and are encouraged to design their learning in collaboration with teachers. Input and guidance from industry professionals and/or mentors is also encouraged. Students will be exposed to a wide range of media for purposes of analysis, application, historical research, and demonstration of understanding.

**DRAMATIC ARTS 110**

Dramatic Arts 110 is an introductory performance-based course designed to encourage students to develop their dramatic skills through exposure to a variety of challenges and opportunities that require creative and higher order thinking skills related to creativity, performance, and production. This course is highly participatory and requires consistent attendance to facilitate the development of collaborative projects and student engagement in new experiences. Students will be required to work individually, independently, in small groups, and in larger ensembles. Projects and research activities will be activity based experiential learning. Students will be exposed to a wide range of dramatic conventions and styles for the purposes of creating, analyzing, conducting research, and performing.

**DRAMATIC ARTS 120**

Dramatic Arts 120 is a course that assumes an enhanced level of theatrical experience. Successful completion of Dramatic Arts 110 is highly encouraged, but not required. In collaboration with their teacher and peers, students are encouraged to direct their learning and decide how to demonstrate the acquisition of skills. Students will be expected to have more involvement and ownership of their learning and subsequent assessment, collecting evidence of learning, and expanding upon the skills acquired in Dramatic Arts 110. Students may be required to work outside of the classroom (including individual/ensemble practice and studio rehearsal) due to the many and varied manifestations of theatre activities. Students are also strongly encouraged to participate in extracurricular and community-based opportunities. extracurricular and community-based

FILM 110

Cinematic Explorations 110 is designed for learners interested in exploring the craft of filmmaking and producing short films for an intended audience. Learners will get hands on experience in film production (basic camera operation, lighting, sound design, and other elements) through purposeful creation of short film(s). The course is appropriate for those who are actively involved in filmmaking, and those who have an interest in learning more about film in a way that promotes a general knowledge of film and culture.

**GRAPHIC ART AND DESIGN 110**

Utilizing industry standard software (Photoshop and Illustrator), the Graphic Art and Design 110 course will give base skills in developing various projects. These software skills coupled with learning in design theory (typography, colour, composition), will allow for the development of unique layouts, logos, advertising, etc.

**MUSIC 10**

**(You may choose ONLY one Music from the following options.)**

**Beginner Band 10**

This course assumes no prior experience with a wind or percussion instrument and is suitable for a beginner on the instrument; whole-class instruction occurs so that students learn the particulars of their instrument while performing in a group setting. While performance is the focus of this course, students will also continue learning the language of music (music theory), history and appreciation, composition and analysis, and aural perception (ear training).

**Choral 10**

This course assumes no prior singing experience and is suitable for a beginner; students with prior experience will be challenged at an appropriate level. While performance is the focus of this course, students will also continue learning the language of music (music theory), history and appreciation, composition and analysis, and aural perception (ear training).

**Guitar 10**

This course assumes no prior experience with guitar and is suitable for a beginner on the instrument; students with guitar experience will be challenged at an appropriate level. While performance is the focus of this course, students will also continue learning the language of music (music theory), history and appreciation, composition and analysis, and aural perception (ear training).

**Instrumental 10**

This course assumes some prior experience (at least 1-2 years) with your instrument (band and/or private study); students will be challenged at an appropriate level no matter their ability. While performance is the focus of this course, students will also continue learning the language of music (music theory),

**Personalized Wellbeing – Creative Arts**

history and appreciation, composition and analysis, and aural perception (ear training).

**Keyboarding 10**

This course is a continuation of the Grade Nine music program; it is a good choice for piano players who began playing in Grade Nine and want to continue learning. While performance is the focus of this course, students will also continue learning the language of music (music theory), history and appreciation, composition and analysis, and aural perception (ear training).

**MUSIC 111 (Instrumental/Voice/Piano)**

This course is for anyone who has played an **orchestra** or **concert band instrument** for the last 3+ years or who is currently **studying voice or piano** privately and has a strong performance/theory background. Approximately 40% of class time is spent on developing playing technique and in performing a varied repertoire. The balance of the time is spent on theory, history, analysis, and composition.

**MUSIC 112 (General Music: Piano/Guitar/Choral)**

This course is designed for the general level piano, guitar or choral student who can read music on his/her instrument and completed the grade 10 music course.

Approximately 40% of the class time is spent on the further development of playing technique and performing a varied repertoire. The balance of the time is spent on theory and performance/composition-type projects.

\* Piano or guitar or choral class will be offered separately where numbers allow.

**MUSIC 122 (Instrumental)**

This is a course designed for any student interested in advanced music studies. The course assumes an advanced level of music literacy, good aural skills, a sound theoretical background, knowledge of historical styles and forms, and an interest in improving upon and expanding these areas of music knowledge and expertise. Music 122 is a performance-based course designed to encourage students to develop their musical skills through exposure to a variety of musical challenges and problems requiring creative and higher order thinking skills.

**POPULAR MUSIC 120**

In Popular Music 120, learners will examine culture through the elements of music, instrumentation, the role of industry and promoters, artists, and writers. Additionally, learners will be expected to create and/or recreate music to demonstrate their understanding of specific characteristics of a particular genre. Differing from other music electives, Popular Music 120 performances focusing on process rather than product. This course will give learners a deeper understanding of musical genres and the development of social and cultural trends. People, regardless of race, gender, or geography, have always written music about their social and cultural surroundings as well as historical events that influence their lives. Popular Music 120 will allow learners to investigate how global events shape popular music and how popular music has, in turn, influenced culture and society.

**VISUAL ARTS 10**

**(You may choose ONLY one Art from the following options.)**

**Visual Art 10**

This course builds on the skills and knowledge introduced in Grade Nine. The elements of design will be the focus using a variety of media: drawing, painting, pastels, sculpture, and printmaking. While being engaged in art activities, students learn more than art content and skills. As with any creative endeavour, many thought processes, learning strategies, and ways of expression are refined and transferred to other aspects of life. Like other art forms, visual art offers unique experiences from which a better understanding of the world can emerge.

**Digital Photography 10**

This course will focus on much of the same theoretical knowledge as Visual Arts 10—however, the medium of choice for the course will be photography. Students will learn how to take creative photographs using their phones and how to demonstrate artistic intent using editing software.

**VISUAL ARTS 110**

A prerequisite course for the Visual Arts 120 course, the Visual Arts 110 course moves towards a personal expression while receiving teacher mentoring in disciplines such as figure drawing, composition, and clay works, among others.

**Studio fee: $15.00**

**VISUAL ARTS 120**

Want to develop a mixed media and multidisciplinary portfolio? The Visual Arts 120 course allows you multiple options in four blocks of study: utilizing drawing, painting, design, and sculptural skill sets. Bring your unique conceptual ideas to life!

**Studio fee: $15.00**

***NOTE: Digital Production, Fashion Technology & Design, and Media Studies may be used to meet a Creative Arts requirement but can only be used to fulfill one cluster requirement.***

**Personalized Wellbeing –**

**Wellness & Phys. Ed.**

**ADVANCED TRAINING PRINCIPLES 120**

This course builds physical fitness through powerlifting, bodybuilding, plyometrics, and endurance training, while exploring nutrition, supplementation, biomechanics, and sport-specific training.

EARLY CHILDHOOD DEVELOPMENT 120

Designed for students pursing early childhood education or related fields, this course covers heredity, conception, prenatal development, childbirth, and child growth, with a focus on intelligence and attachment theories.

**HEALTH AND PHYSICAL EDUCATION 10**

This elective promotes physical activity for a healthy lifestyle. Activities include orienteering, softball, soccer, and more. Fitness units focus on weight training, flexibility, and nutrition. Evaluation is primarily participation-based.

**HEALTH AND PHYSICAL EDUCATION 10 WITH ENRICHMENT IN BASKETBALL**

Covers HPE 10 outcomes with a focus on basketball skills, team tactics, and fitness training. Students develop individual skills and follow personalized in-season fitness plans.

***Application required - link on FHS Guidance page.***

**HEALTH AND PHYSICAL EDUCATON 10 WITH ENRICHMENT IN HOCKEY**

For students with hockey experience, this course includes dry land training and rink-based skill development using Hockey Canada Skills Academy.

***Application required - link on FHS Guidance page.***

**HEALTH AND PHYSICAL EDUCATON 10 WITH ENRICHMENT IN SOCCER**

For students with soccer experience, this course covers HPE 10 outcomes with a focus on soccer skills, tactics, game-related fitness, and leadership. Students will train in outdoor and indoor environments.

***Application required - link on FHS Guidance page.***

**HEALTH CARE 110**

This course introduces students to Canada’s healthcare system, medical professions, and career pathways. Topics include healthcare roles, consumer rights, environmental and societal issues, and professional expectations within the field.

**HUMAN SERVICES 110**

This course explores human service careers, emphasizing inclusive communities and an aging population. Students will develop work-related skills and investigate innovations, careers, and post-secondary opportunities in the field.

**INDIVIDUAL AND FAMILY WELLNESS 120**

Students will study personal and relational development, including topics like personality, relationships, love, family, sexuality, wellness, and aging. Ideal for those interested in sociology, psychology, teaching, and social work.

INTRODUCTON TO KINESIOLOGY 120

This course is for students planning to pursue kinesiology, science, or nursing at the university/college level. It combines academic content with engaging activities such as demonstrations, student presentations, guest speakers, and group work to enhance knowledge of kinesiology. Students will develop critical thinking, problem-solving, and technology skills. Topics include human anatomy, exercise science, recreation, sport studies, and careers in kinesiology.

**NUTRITION FOR HEALTHY LIVING 120**

This course explores healthy food choices, nutrition across the lifecycle, and social issues like food affluence and hunger. Focus areas include carbohydrates, fats, and proteins and their impact on daily food choices. Ideal for students pursuing careers in nutrition, dietetics, kinesiology, personal training, or those looking to improve their knowledge of healthy living and fitness.

**OUTDOOR EDUCATION 110**

This course focuses on developing outdoor recreation skills while emphasizing environmental ethics. Students will participate in several outings, including half-day, full-day, and a mandatory overnight camping trip. Activities may include hiking, canoeing, rock climbing, and swimming, with safety as a priority. Students will plan, lead, and evaluate outings. Admission is based on attendance, worth ethic, and the ability to work independently.

**Course Fee: $75** for transportation, rentals, and supplies

Application required – link on FHS Guidance page

OUTDOOR EDUCATION 120

Outdoor Education 120 builds leadership, outdoor skills, and environmental awareness through hands-on experiences like hiking, climbing, and canoeing. Students develop safety, survival, and trip-planning skills while exploring nutrition, teamwork, and outdoor careers. The course includes leading excursions, including an overnight trip, fostering

**Personalized Wellbeing –**

**Wellness & Phys. Ed.**

Continued

autonomy and environmental responsibility. Outdoor Education 110 is strongly

recommended.

**Course Fee: $75** for transportation, rentals, and supplies

Application required – link on FHS Guidance page

PSYCHOLOGY 110

An introduction to psychology as a science that explores how we think, feel, and act. Topics include careers in psychology, research methods, culture and gender, sleep, dreams, hypnosis, and disorders like schizophrenia. Ideal for students interested in psychology or understanding human behaviour.

PSYCHOLOGY 120

A continuation of Psychology 110, this course examines motivation, emotion, personality development, learning, memory, intelligence, stress, health, social relations, and treatments for disorders.

Recommended: Psychology 110

**SPORT & RECREATION LEADERSHIP 120**

This course develops leadership skills through sport and recreational activities. Students will take on roles such as leader and mentor, focusing on team dynamics, planning, performance, evaluation, and reflection. Priority is given to grade 12 students. **Application required – link on FHS Guidance page**

**WELLNESS PHYS ED 110**

This course helps grade 11 and 12 students develop decision-making skills for personal wellness through physical activity. The course includes 40% theory in the classroom and 60% practical work in active settings, promoting awareness of a healthy, active lifestyle.

**Course fee: $50** for transportation and equipment costs.

**YOGA 110**

This course explores the physical and mental aspects of yoga, focusing on strength, flexibility, endurance, balance, breath regulations, and mental focus. Activities include physical practice, personal reflection, partner assessments, group discussions, and classroom theory (40%). Topics include the history of yoga, nutrition essentials, and ethical principles like kindness and respect. Yoga promotes mental health, fitness, and personal growth.

Note: Students must supply their own yoga mat.

**Personalized Wellbeing – Career Connected - Career**

SCHOOL-TO-WORK TRANSITION COURSES

The following school-to-work transition courses feature an experiential component often referred to as a work or Co-op placement. In addition to course content students will gain hands-on experience in a field that they may be interested in pursuing. Students must complete the minimum hours required at the workplace to qualify for the credit. Students will complete a second mandatory project and presentation instead of a final examination. No more than 24 Co-op credit hours may be used towards graduation.

Acceptance in these courses is based on an application, attendance, recommendations and an interview. Applications must be submitted no later than the last week of April and are available in the Guidance Office. A code of conduct will be signed by all students. Not meeting the expectations outlined in the code of conduct will result in a referral to FHS Administration and possible removal from the course and loss of credits.

CO-OPERATIVE EDUCATION 120

FI CO-OPERATIVE EDUCATION 120

(8 or 12 credit hours)

Students may explore any career field (based on availability in our community) for three hours each school day. After the mandatory in-class component is completed, students gain experience in the desired career field for three

hours each day for the remainder of the semester. If the work component is completed with a placement that can offer the experience primarily in the French Language, students would be granted eight out of the twelve credit hours towards the F.I. Certificate.

CO-OP (DIGITAL MEDIA PRODUCTION) 120

(4 credit hours)

The morning announcements are a vital part of a school’s communication plan. Those selected to take part in this program will be responsible for the collection and delivery of the school’s daily announcements. As well students will be responsible for a variety of side projects related to film and video editing. While working in the studio, students will be learning how to use professional video editing and motion graphics software, as well as learning about audio engineering and lighting.

CO-OP (EARLY CHILDHOOD) 120

(8 or 12 credit hours)

Students will work in a licensed childcare center and complete the Early Childhood 90-hour online course. You will also spend time working with a childcare expert to complete the online components of the program. You will earn credits toward graduation in Co-op Education 120 and in Early Childhood Services 110 or 120; depending on how you want to earn credits. You will also earn the Early Childhood Certificate that shows you are ready to work in any licensed childcare center in the province.

CO-OP (LONG TERM CARE) 120

(12 credit hours)

Students will work at a licensed long-term care facility with seniors and other individuals needing long-term care where you will complete classroom and practical training with students from across the province. You will earn credits towards graduation in Co-op Education 120 and Health Care 110. You will also receive employment ready recognition from the care facilities involved in the program. This means that students successfully completing the program will be eligible for a follow-up preceptorship (96-hour placement) and possible employment with these centers.

CO-OP (PCMT) 120

(4 or 8 credit hours)

Personal Computer Maintenance and Troubleshooting qualifies as an on-site Co-op credit with an emphasis on providing computer support for FHS. Students disassemble and assemble computers, provide service and repair of hardware, complete software upgrades, add computers to the FHS computer labs and troubleshoot individual systems. Students who excel in the course may return for a second

credit with exposure to more difficult tasks and team management. An interest in computers and teacher recommendations are required.

CO-OP (SKILLED TRADES) 120

(12 credit hours)

This program is designed to encourage students to explore job opportunities in Skilled Trades fields such as automotive, construction, culinary, etc. This program is open only to students who have successfully completed at least two grade 11 or 12 elective courses related to a specific trade. Students who complete a Co-op placement with a licensed journeyman will be able to use the Co-op work placement hours towards their trade certification (up to 720

throughout their high school years).

GROWTH, GOALS & GRIT 120

This course is designed to help students prepare to live on their own. In this course, students will learn organization, time management, and communication skills such as goal setting, financial literacy, housing options, consumerism,

healthy lifestyle, and positive mental health strategies. Students will explore habits and behaviours that will enhance their success in life.

**Personalized Wellbeing – Career Connected - Career**

LEAD & DEVELOP 110

The vision for this course is to have learners discover, explore, and reflect on leadership. In Develop and Lead 110, learners will have the opportunity to plan, organize, and administer projects within their schools and communities.

Regardless of their comfort level or previous experience, learners will develop leadership potential in a safe and inclusive space. Learners will explore various roles in group dynamics, including being a leader, collaborating with others, and contributing positively to learning

experiences. This course facilitates leadership experiences by capitalizing on and creating opportunities for learners to act as change agents and facilitate growth. Learners will build rapport with peers, gain valuable understanding of group dynamics through practice, and connect with service providers and community members. Participation in Develop and Lead 110 results in a journey in which learners can create a positive legacy in their school and community. Preference will be given to students in grade 12. Students will be expected to be involved in school based and community-based project work through volunteerism.

Personalized Wellbeing – Career Connected – Information & Communica-tion Technology

COMPUTER AIDED DESIGN 110

In this introductory course students create technical drawings with part of the course emphasizing the process of design. Students will spend a great amount of time using the computerized drafting system and AutoCAD software. Students interested in post-secondary technology programs, graphic design and all fields of engineering would benefit from this course.

COMPUTER ASSISTED MANUFACTURING 110

Computer Assisted Manufacturing 110 focuses on the process of bringing a product idea to creation for manufacturing. Creation of products use combined files representing movement of computer-controlled manufacturing processes. Primarily focused on utilizing digitalized component, the course extends learning opportunities towards use of CNC routing, 3D printing, and laser cutting to create objects for a final project. The course includes exploration of career pathways and personal use.

Lab Fee: $25.00

COMPUTER SCIENCE 110

(FIT--see page 3)

This is an introductory course in structured programming in VISUAL BASIC language. The theory component is limited to programming applications. Topics include entering data, decision making, loops, one- and two-dimensional arrays, sorting, subroutines, main menu programs, library functions, and string manipulation. Students selecting this course should have good mathematics skills. Students use the computer as a problem-solving tool and will find this course of value in future studies or careers in engineering, business administration, technology and science.

COMPUTER SCIENCE 120

This course will include a study of high-level languages (mostly JAVA). Advanced concepts and procedures are presented to provide a more comprehensive understanding of computer usage and applications. This is a desirable course for students intending to follow a computer science or data analysis program at a post-secondary institution.

Recommended: Computer Science 110

CYBERSECURITY & TECH SUPPORT 110

(FIT--see page 3)

This course provides comprehensive instruction in the cybersecurity and maintenance and repair of computers and peripheral devices, hardware, software, operating systems, networking, and printers. The CISCO Systems IT Essentials curriculum and hands-on activities will give students practical skills to provide basic technical support at the school. Students having successfully completed all required objectives have the option of writing the A+ Certification exams at their own expense.

DIGITAL PRODUCTION 120 \*

(FIT--see page 3)

Are you interested in digital imaging, creating web sites, simple animation or digital audio? If so, Digital Technologies 120 can offer you the skills which will allow you to create multimedia and web pages. This class is a skill-based course designed for those who are motivated to learn more about web design, editing images, animation and audio recording.

INFORMATION TECHNOLOGY 120

(FIT--see page 3)

The objective of the IT120 course is to prepare students with the advanced skills required to be successful on the exams for Microsoft certification using Microsoft desktop software. Microsoft exams provide a reliable measure of a person’s technical proficiency and expertise by evaluating their overall comprehension of Microsoft Office software, and the ability to use advanced features along with the ability to integrate Office programs with other software. These skills will be of use to students in their post-secondary pursuits. Topics include Microsoft Word, PowerPoint, Excel, and Outlook.

ROBOTICS AND TECHNOLOGY 120

This course explores the field of robotics and industrial automation. Through experimentation and simulation labs, students explore computer

programming and construct functional examples which integrate pneumatic, electrical, mechanical and computer-controlled devices to mimic real-world machines. Along the way, students develop their technological design, communication and problem solving skills.

This course would be of interest to student exploring career opportunities in processing, manufacturing, engineering, or industrial controls.

Lab Fee: $20.00

*\*Courses with an asterisk may be used to fulfill the requirements for no more than one cluster.*

Personalized Wellbeing – Career Connected –

Occupational

BUSINESS MANAGEMENT 120

(FIT--see page 3)

This is an introductory course in business organization, operation, and management. The understanding of business operations as

practiced in Canada is a major objective of the course. The main areas of study include legal forms of ownership, marketing, personal and

corporate finance, ethics, advances in information technology, understanding the stock market, and labour management relations.

EARLY CHILDHOOD SERVICES 110

Exploring child development from infancy to 6 years old, topics include types of early childhood programs, assessment, curriculum, and qualities of an early childhood worker. Daycare and kindergarten guidelines are examined. Students will plan lessons to teach children ages 4-6 and design a daycare center. Students will make arrangements to do daycare/kindergarten observations.

ENTREPRENEURSHIP 110

(FIT--see page 3)

An exploratory course for students interested in the world of small business, this course is designed to involve students in the development of ideas and skills necessary to bring business

ideas to the marketplace. It allows students to see themselves as business people and appreciate the wide range of opportunities available to creators of an idea, owner-operator of a business, or employer-manager of a small business in today’s global economy. There is a written business plan component and several in class presentation.

FASHION TECHNOLOGY AND DESIGN 110 \*

Designed to introduce students to careers in the fashion industry, the course is project based, hands on, and skill oriented. Students will examine the world of textiles, their production process, and learn to identify various fibers and fabrics. Through a variety of small projects, including a sample portfolio and the creation of a personal garment, students will learn to follow commercial patterns and apply current construction techniques using both a sewing machine and a serger. Prior sewing experience is NOT required. This course is a prerequisite for Fashion Design 120.

**Lab fee: $25.00 plus cost of project supplies**

**FASHION TECHNOLOGY AND DESIGN 120 \***

Students will have the opportunity to create, learn, and explore in the field of fashion design. In addition to theory, students will work hands on with a variety of technologies to design and create their own mini collection including a basic accessory. Students will develop sketching techniques to create fashion illustrations, learn the basics of pattern drafting, put together a design portfolio, and learn about fashion promoting and marketing. Basic sewing will NOT be taught.

**Lab fee: $25.00 plus cost of project supplies**

FINANCIAL ACCOUNTING 120

Introduces students to procedures, concepts and applications of accounting. Topics covered include the nature of business, accounting, bookkeeping procedures, accounting theory, and the entire accounting cycle, as well as various forms of business enterprises such as sole proprietorships, partnerships and corporations. This course is ideal for students in business at a post-secondary institution.

**Lab fee: $20.00 for required workbook**

**HOSPITALITY AND TOURISM 110**

Students will explore the sectors of the Travel Industry including accommodations, food and beverage, attractions, and transportation. Students will have the opportunity to create and evaluate Hospitality and Tourism through its past and into the future. Students will learn valuable customer service skills, create a dream vacation for themselves and create a marketing

plan for the local tourism. The skills learned will benefit the students with transferable skills for future employment opportunities. This course will explore areas of travel and tourism opportunities around the globe.

**HOUSING AND DESIGN 120**

Students will explore topics such as architecture and housing styles, influence of history on housing, interior design (using the principles and elements of design), and consumer concerns related to housing such as renting vs. buying. This course is designed for students who are

going to study in this field as well as students who have an interest in housing and design.

**Lab Fee: $20.00**

MARKETING 120

Designed to introduce students to many of the marketing functions and activities that occur within the Canadian marketplace. Areas of focus include marketing strategies, product development and branding, and advertising. A portion of the course will involve self-directed learning whereby the students will demonstrate their understanding of the material through project work.

*\*Courses with an asterisk may be used to fulfill the requirements for no more than one cluster.*

Personalized Wellbeing – Career Connected –

Skilled Trades

*NOTE: Students who achieve a mark of greater than 70% in a skilled trades course will be credited with 80 hours towards their trade certification up to a total of 720 hours over their high school career.*

AUTOMOTIVE ELECTRICAL SYSTEMS 120 \*

This course introduces the student to the theory and operation of automotive electrical systems. Students will study the principles of electricity, including electron theory, magnetism and electrical symbols. Course content progresses to components of the charging, ignition and starting systems. Study also includes engine management systems, scanning on-board computers and diagnostics. This course may be used as a science credit for graduation purposes.

Lab Fee: $20.00

CULINARY TECHNOLOGY 110

The Culinary Technology program is designed to prepare students for employment and/or future education in the food service industry.

This technology driven and hands on skill-oriented program involves not only the how and why of food service preparation but focuses on the development of personal skills and food knowledge that can be applied to the food service industry. Food Safety Training and food security issues will also be explored.

This course has an emphasis on bakeries, baked goods, breads, and breakfast food preparation and production for an actual restaurant environment.

Lab Fee: $25.00

CULINARY TECHNOLOGY 120

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This technology driven and hands on skill-oriented program involves not only the how and why of food service preparation but focuses on the development of personal skills and food

knowledge that can be applied to the food service industry. Food Safety Training and Food security issues will also be explored.

This course has an emphasis on food and meal preparation and production for an actual restaurant environment.

Lab Fee: $25.00

ELECTRICAL WIRING (RESIDENTIAL) 110

Students in this course will study the basic tools, materials and techniques used in residential wiring. Study includes the design and placement of circuits in a model family dwelling, according to the Canadian Electrical Code. The course will be of interest to students interested in exploring careers related to the electrical trade.

Lab Fee: $25.00

ELECTRICAL WIRING 120

Electrical Wiring 120 expands trade skills, covering commercial wiring, the Canadian Electrical Code, and hands-on work with cables, conduits, and systems. It emphasizes safety, complex diagrams, and trade-specific math and literacy. Recommended for those pursuing electrical careers. Electrical Wiring 110 is a recommended prerequisite.

Lab Fee: $25.00

FRAMING AND SHEATHING 110

Students in this course will participate in the planning and construction of wooden structures

in a large, well-equipped shop. Students will learn the safe operation of carpentry tools and equipment. Emphasis will be placed on the

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

This course will be of interest to students exploring career opportunities in the building construction industry.

Lab Fee: $15.00

INTERNAL COMBUSTION ENGINES 110

The content of this course includes the theory of operation and function of the engine systems. Students learn the safe operation of tools and equipment used to disassemble, diagnose, service and repair engine components and systems. Emphasis is placed on the development of skills essential for persons

entering the automotive, aircraft or marine service industries.

Lab Fee: $20.00

INTRODUCTION TO SKILLED TRADES 110

This course introduces students to a variety of careers in trades. It provides opportunities to explore and research practices and skills required for employment in trades/technology sectors. This course utilizes small group instruction, placing an emphasis on student directed learning and is structured to reflect the reality of work. Problem identification, teamwork and leadership skill are reinforced.

Lab Fee: $25.00

METALS FABRICATION (WELDING) 110

Students in this welding course develop basic skills in the safe use of arc and MIG welding equipment. Instruction will also be given in oxygen-acetylene and plasma cutting equipment as well as machines and equipment used to cut and form metals. Students work in a well-equipped, modern welding shop to construct or repair products such as furniture and cargo

Personalized Wellbeing – Career Connected –

Skilled Trades

trailers. This course will appeal to students interested in exploring opportunities in welding metal working and mechanical servicing and many other skilled trades.

Lab Fee: $45.00

METALS FABRICATION (WELDING) 120

Metal Fabrication / Welding 120 introduces students to advanced skills and practices, building upon the theory and practical skills

obtained in Metal Fabrication / Welding 110. This advanced course encapsulates and

reinforces theory in Math, SMAW, GMAW, PAW, OFC, all of which lead to a capstone project. Students will learn valuable safety procedures, tool skills, and engage with the NB global competencies.

Lab Fee: $45.00

Prerequisite: Metal Fabrication (Welding) 110

METALS PROCESSING (MACHINE SHOP)110

Students in this course develop skills in the operation of lathes, grinders and milling machines. In the lab they learn a variety of processes used to form and repair metal parts for machines and tools. This course would

appeal to students considering a career in the mechanic or machinist trades, mechanical engineering or mechanical technology areas.

Lab Fee: $45.00

MILL AND CABINET WORK 120

Students in this course build a series of wooden products to learn the safe operation of woodworking tools and equipment. They also learn project planning and estimating as well as finishing and installation of cabinets and furniture. This course will be of interest to students exploring career opportunities in the building construction industry as well as those with a general interest in woodworking.

Lab Fee: $40.00

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 exploring career opportunities in the automotive service industry would benefit from this course.

Lab Fee: $20.00

RESIDENTIAL FINISH 120

**This advanced building construction course focuses on the acquisition of skills and knowledge associated with the completion of a modern wood frame residential building. Students work with lab-based projects to select and install insulation, wall and ceiling cladding as well as finish trim, doors and windows.**

Lab Fee: $25.00

TUNE-UP AND EMISSIONS 120

This advanced automotive course includes the study of automobile fuel and emission systems. Students will study the component functions and service procedures of modern fuel injection, turbo chargers, super chargers and emission systems and how these affect fuel mileage, power and the environment. Students will use various diagnostic tools to read and understand information from vehicle computers, sensors, and trouble codes. Hybrid and zero emission vehicles will also be studied. This course would

be of interest to students entering the automotive, aircraft or marine service industries.

Lab Fee: $20.00

Local Options & Other Electives

ADVANCED KEYBOARDING 110

This course will assist students in developing a touch keyboarding skill and the ability to format in *Microsoft Word*. Students will learn to format personal business letters, cover letters, résumés, tables, and long reports. This course will be beneficial to students who plan to pursue a career in a computer-related field or who plan to attend post-secondary institutions

requiring formal assignments.

GENDER, MEDIA, AND CULTURE 120

This elective course is open to grade 11 and 12 students. It enables them to explore gender and media through the study of a range of equity issues in Canada and around the world. Gender, Media, and Culture is designed to welcome and celebrate students of all identities, and gender diversity.

MAINTENANCE AUTO 110

This course is intended to introduce new and prospective drivers to the basic operation of automobile fuel, electrical, lubrication, tires, exhaust, and cooling systems. Students learn repair and maintenance procedures typically performed by car owners and enthusiasts in a well-equipped shop.

Lab Fee: $20.00

*Note: This course cannot be taken by students who are taking other automotive courses.*

**PHILOSOPHY 120**

This course will explore the nature of philosophy, its historical development, and its relevance in our lives today. Students will explore questions that have intrigued thinkers for millennia: from the nature of reality to questions of morality, to the foundations of knowledge, and many more. In addition to investigating traditional questions of philosophy, students will also examine issues that are contemporary and/or relatively unexplored. Areas of study will include Introduction to Philosophical Inquiry, Metaphysics, Logic, Epistemology, Ethics, Social and Political Philosophy, and Aesthetics. At appropriate points, students will consider how philosophical inquiry is enriched by including consideration of other viewpoints, such as gender and culture, and how it is impoverished by omitting these perspectives. Throughout, critical-thinking skills shall be taught as part of the exercise of reading, discussing, and writing.

**RECORDING & SOUND DESIGN 120**

This course is designed for the student who has an interest in audio recording and design. The student will receive instruction in the physics

of sound, looping, MIDI, microphone techniques, and recording and sound design. Learning time will be divided between recording sessions in the recording studios, curriculum-based projects on the Mac computer and class projects. ***Priority given to grade 12 students.***

***Note: Applications and recommendations forms are available on the FHS website.***

**SPORTS MEDICINE 110**

This introductory course is for students interested in athletic training, physical therapy, medicine, fitness, kinesiology, nutrition, and related fields. Students will learn injury prevention, treatment, and evaluation, along with body systems, basic physiology, and exercise techniques. They may assist coaching staff with practices and games, applying skills like taping, first aid, and injury assessment in a real-world sports setting.

**Course Fee:** $20 for supplies

**WORLD RELIGIONS 120**

This course will explore major religious belief systems in the world including Aboriginal Spirituality, Hinduism, Buddhism, Judaism, Christianity, and Islam. The course will explore religious ideas of deity, milestones across religions, and the afterlife. The course will examine issues in Canada or elsewhere

(terrorism, sexuality, for example) impacted by religious beliefs that affect the decision-making and the way of life of Canadians. This course complements studies in History, Political Science, Religious Studies, and Sociology.

**OTHER ELECTIVES**

**PERSONAL INTEREST 1**

**PERSONAL INTEREST 2**

Designed for grade 12 students, the one credit Personal Interest course will appeal to those interested in a self-directed exploration of a topic or subject of their own choosing. Students selecting this course are provided with the time and opportunity, to develop and pursue personal interests. Students will be required to design the program of study in conjunction with their teacher(s), and/or other mentors in the school or community. Students must follow safety guidelines and review and follow policies related to their projects. Students will need a high degree of independence and in their application must identify learning outcomes that are based on the New Brunswick Global Competencies. **Application required.**

**Advanced Placement Program (AP)**

**ADVANCED PLACEMENT PROGRAM® (AP)**

The Advanced Placement Program® (AP) enables willing and academically prepared students to pursue college-level studies while still in high school. AP courses on a student’s transcript shows that they have challenged themselves with the most rigorous courses available to them. And success on an AP Exam shows that they are ready for college-level coursework. Most four-year colleges and universities grant students credit, placement, or both for qualifying AP Exam scores. AP Exams are given in **May** each year.

**AP Courses offered at Fredericton High School:**

**AP BIOLOGY 120**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. Study the core scientific principles, theories, and processes that govern living organisms and biological systems.

**AP CALCULUS & PRE-CALCULUS AB 120**

Students enrolling in this full-year course will receive credits for Pre-Calculus A 120, Pre-Calculus B 120 and AP Calculus AB 120. This course is an enriched program of study covering three semesters of work in two. It is designed to challenge students with a remarkably high ability in mathematics who can work at an accelerated pace. Topics covered are described above.

Prerequisites: Pre-Calculus 110 AND the recommendation from your Grade 11 math teacher who will provide an application form for interested students.

**AP ENGLISH LANGUAGE AND COMPOSITION 120**

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read nonfiction texts from a range of disciplines and historical periods. Open to grade 11 & 12 students.

**AP PHYSICS 2 120**

This course is offered to above-average science students who intend to take science or engineering at the university level. Topics covered include the study of magnetism, electromagnetism, atomic structure, quantum mechanics, nuclear physics, thermodynamics

and fluid mechanics. This course is designed to

supplement previous chemistry and physics

courses. It is highly recommended that students intending to write the AP Physics 1, AP Physics 2 and the AP Chemistry exams take this course.

**AP PSYCHOLOGY** **120**

AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental health processes of

human beings. Students are exposed to the psychological facts, principles and phenomena associated with psychology. Content area include- research methods, behavior, sensation & perception, states of consciousness, and developmental, abnormal, and social psychology. This course is equivalent to an introductory

university course in psychology. Students taking this course may elect to write the AP Psychology

exam. Entrance to the course is based on previous academic performance.

**AP STATISTICS 120**

Learn about the major concepts and tools used for collecting, analyzing, and drawing conclusions from data. You will explore statistics through discussion and activities, and you will design surveys and experiments.

Skills you will learn:

* Selecting methods for collecting or analyzing data
* Describing patterns, trends, associations, and relationships in data
* Using probability and simulation to describe probability distributions and define uncertainty in statistical inference
* Using statistical reasoning to draw appropriate conclusions and justify claims

**Recommended: NRF 10**

**AP WORLD HISTORY 120**

In AP World History you will learn about the Global Tapestry, Networks of Exchange, Land-Based Empires, Transoceanic Interconnections, Revolutions, Consequences of Industrialization, Global Conflicts, Cold War and Decolonization, and Globalization. Course time frame is 1200 to present.

**Alphabetical Listing of Courses**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Advanced Keyboarding 110 | 26 | Fashion Technology & Design 110 \* | 23 | Metals Fabrication (Welding) 120 | 25 |
| Advanced Training Principles 120 | 18 | Fashion Technology & Design 120 \* | 23 | Metals Processing (Machine Shop) 110 | 25 |
| Agriculture 110 | 13 | FI Ancient/Medieval History 112 | 6 | Mill and Cabinet Work 120 | 25 |
| Ancient/Medieval History 111/112/113 | 6 | FI Biology 112 | 13 | Modern History 111 | 6 |
| AP Biology 120 | 27 | FI Biology 122 | 13 | Modern History 112 | 6 |
| AP Calculus & Pre-Calculus AB 120 | 27 | FI Chemistry 112 | 13 | Modern History 113 | 6 |
| AP English Language & Composition 120 | 27 | FI Civics | 6 | Music 10 | 16 |
| AP Physics 2 120 | 27 | FI Co-operative Education 120 | 20 | Music 10 Beginner Band | 16 |
| AP Psychology 120 | 27 | Fi Financial & Workplace Math 110 | 11 | Music 10 Choral | 16 |
| AP Statistics 120 | 27 | FI Foundations of Mathematics 110 | 11 | Music 10 Guitar | 16 |
| AP World History 120 | 27 | FI Geometry Measurement Finance 10 | 11 | Music 10 Instrumental | 16 |
| Automotive Electrical Systems 120 \* | 24 | FI Language Arts 10 | 10 | Music 10 Keyboarding | 17 |
| Biology 111 | 13 | FI Language Arts 110 | 10 | Music 111 | 17 |
| Biology 112 | 13 | FI Language Arts 120 | 10 | Music 112 | 17 |
| Biology 121 | 13 | FI Modern History 112 | 6 | Music 122 | 17 |
| Biology 122 | 13 | FI Numbers, Relations & Functions 10 | 12 | NBCC Skilled Trades & Work-Ready Math 120 | 12 |
| Business Management 120 | 23 | FI Pre-Calculus 110 | 12 | Numbers, Relations & Functions 10 | 12 |
| Calculus 120 | 11 | FI Science 10 | 15 | Nutrition for Healthy Living 120 | 18 |
| Canadian History 122 | 6 | FI Techniques de Communications 110 | 10 | Outdoor Education 110 | 18 |
| Chemistry 111 | 13 | FI Techniques de Communications 120 | 10 | Outdoor Education 120 | 18 |
| Chemistry 112 | 13 | FI World Issues 120 | 7 | Personal Interest I& II | 26 |
| Chemistry 121 | 13 | Film 110 | 16 | Philosophy 120 | 26 |
| Chemistry 122 | 13 | Financial & Workplace Math 110 | 11 | Physics 111 | 14 |
| Children’s Literature 120 | 9 | Financial & Workplace Math 120 | 11 | Physics 112 | 14 |
| Civics | 6 | Financial Accounting 120 | 23 | Physics 121 | 14 |
| Computer Aided Design 110 | 22 | Forestry 110 | 14 | Physics 122 | 14 |
| Computer Assisted Manufacturing 110 | 22 | Foundations of Mathematics 110 | 11 | Political Science 120 | 7 |
| Computer Science 110 | 22 | Foundations of Mathematics 120 | 11 | Popular Music 120 | 17 |
| Computer Science 120 | 22 | Framing and Sheathing 110 | 24 | Post-Intensive French 10 | 10 |
| Co-operative Education 120 | 20 | Gender, Media, and Culture 120 | 26 | Post-Intensive French 110 | 10 |
| Co-op 120 Digital Media | 20 | Geometry, Measurement & Finance 10 | 11 | Post-Intensive French 120 | 10 |
| Co-op 120 Early Childhood | 20 | Graphic Art and Design 110 | 16 | Power Train & Chassis 110 | 25 |
| Co-op 120 Long Term Care | 20 | Graphic Novel 120 | 9 | Pre-Calculus 110 | 12 |
| Co-op 120 PCMT | 20 | Growth, Goals, and Grit 120 | 20 | Pre-Calculus A 120 | 12 |
| Co-op 120 Skilled Trades | 20 | Health & Phys. Ed. 10 | 18 | Pre-Calculus B 120 | 12 |
| Creative Arts 110 | 16 | Health & Phys. Ed. 10 Basketball | 18 | Psychology 110 | 19 |
| Culinary Technology 110 | 24 | Health & Phys. Ed. 10 Hockey | 18 | Psychology 120 | 19 |
| Culinary Technology 120 | 24 | Health & Phys. Ed. 10 Soccer | 18 | Reading Tutor 120 | 9 |
| Cybersecurity & Tech Support 110 | 22 | Health Care 110 | 18 | Recording & Sound Design 120 | 26 |
| Digital Production 120 \* | 22 | Hospitality and Tourism 110 | 23 | Residential Finish 120 | 25 |
| Dramatic Arts 110 | 16 | Housing and Design 120 | 23 | Robotics & Technology 120 | 22 |
| Dramatic Arts 120 | 16 | Human Physiology 110 | 14 | Science for Sustainable Societies 10 | 15 |
| Early Childhood Development 120 | 18 | Human Services 110 | 18 | Sociology 120 | 7 |
| Early Childhood Services 110 | 23 | Individual and Family Wellness 120 | 18 | Spanish 110 | 10 |
| Economics 120 | 6 | Information Technology 120 | 22 | Spanish 120 | 10 |
| Electrical Wiring (Residential) 110 | 24 | Internal Combustion Engines 110 | 24 | Sport & Recreation Leadership 120 | 19 |
| Electrical Wiring 120 | 24 | Introduction to Electronics 110 | 14 | Sports Medicine 110 | 26 |
| English Language Arts 10 Extended | 8 | Introduction to Kinesiology 120 | 18 | Tune-up and Emissions 12 | 25 |
| English Language Arts 10 Foundational | 8 | Introduction to Skilled Trades 110 | 24 | Visual Arts 10 | 17 |
| English Language Arts 111/112/113 Extended | 9 | Introductory Wolastoqey 110 | 10 | Visual Arts 110 | 17 |
| English Language Arts 111/112/113 Foundational | 8 | Journalism 120 | 9 | Visual Arts 120 | 17 |
| English Language Arts 121 | 9 | Law 120 | 6 | Wabanaki Studies 120 | 7 |
| English Language Arts 122 | 9 | Lead & Develop 110 | 21 | Wellness Phys. Ed. 110 | 19 |
| English Language Arts 123 | 9 | Maintenance Auto 110 | 26 | World Issues 120 | 7 |
| Entrepreneurship 110 | 23 | Marketing 120 | 23 | World Religions 120 | 26 |
| Environmental Geoscience 110 | 13 | Media Studies 120 \* | 9 | Writing 110 | 9 |
| Environmental Science 120 | 14 | Metals Fabrication (Welding) 110 | 24 | Yoga 110 | 19 |

\* These courses may satisfy more than one cluster requirement.