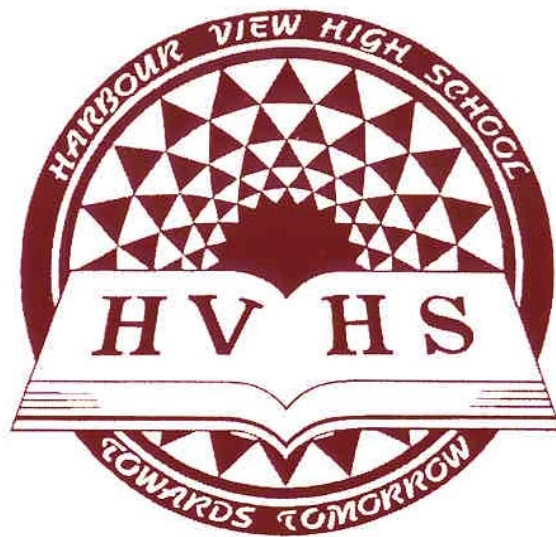


Course Selection

2020 - 2021

HARBOUR VIEW HIGH SCHOOL



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HOW TO USE the Course Selection Booklet

This booklet is intended for use by the current Grades 9, 10 and 11 students of Harbour View High School while choosing courses for the upcoming school year.

Use the chart below to determine which pages are relevant to you.

Grade 9

Students entering grade 10 will choose the compulsory courses, and may select up to four elective courses. Some of these courses may be for credit.

- Grade 10 Registration Form – link
 - Grade 10 Course Descriptions – pages 12 - 14
-

Grade 10

Students entering Grade 11 will be following a five credits semester, which allows students to choose from a variety of courses and to study subjects in greater depth.

- Graduation Requirement details – page 6
 - Grade 11 Registration Form – link
 - Course Descriptions – pages 15 - 35
-

Grade 11

Students entering grade 12 will be continue the five credits semester program.

- Graduation Requirement details – page 6
 - Grade 12 Registration Form – link
 - Course Descriptions – pages 15 - 35
-

Credit System

“How many credits do I need?”

A semester high school program follows a credit system which applies to all grades 11 & 12 courses.

- The term **credit** describes a successfully completed course.
- **One credit** corresponds to approximately 90 instructional hours.
- All students are required to obtain **17 credits** (including seven compulsory credits) to be eligible for Graduation from a New Brunswick High School.

Please Note: Students must be aware that receiving a high school diploma does not necessarily mean acceptance to post-secondary institutions.

Course Codes

“What do the numbers mean?”

- The first two digits indicate the grade during which this course is generally taken.
- The third digit indicates the level of difficulty
 - 0 Only available at one level
 - 1 Enriched university preparatory: these courses move at a faster pace and cover the content to a greater depth than level 2 course equivalents
 - 2 Regular university and community college preparatory
 - 3 Prepares a student to study some one-year courses at Community College, and/or Business College or to go directly to work

Please Note: The ‘0’ courses vary in level of difficulty. Some ‘0’ courses qualify as university entrance courses; others do not. Students should consult a guidance counselor regarding specific courses and entrance requirements for specific programs.

Course Offerings

“Course requests are not guaranteed.”

- The number of students choosing a course will determine whether or not it will be offered.
 - Some courses may only be offered in one semester and not the other.
 - All students should provide at least two alternative course selections on their course request sheets to ensure they have a complete timetable in September.
-

Course Requirements

“Which courses can I take?”

- **Prerequisites** are courses which must be completed prior to registration in a selected course.
- **Recommended Marks** are meant to be used as guidelines for students, parents and guardians in order to make informed decision on course requests.
Recommended marks refer to course marks attained in a prerequisite course.



Harbour View High School Registration Process

- Online course selection information is made available for students and parents to read.
- Registration for the following year begins early in April.
- Homeroom teachers will be provided with packages of information on registration for students.
- Homeroom teachers will begin to review the procedures and give a time frame for the registration process. Registration forms are handed out to students.
- Courses such as COOP 120 and Outdoor Pursuits 110 need **applications**, which **must** be submitted to your homeroom teachers with your registration forms. Applications can be found in the guidance area.
- We will have an extended homeroom period each Wednesday to allow students in grades 9 through 11 to view information on courses offered at Harbour View High.
- Registration Forms have a **due date** and must be returned to homeroom teachers by that date.
- Homeroom teachers will review registration forms using students' report cards and transcripts to ensure all compulsory courses for graduation requirements are met.
- Homeroom teachers will meet with a vice principal and/or guidance counselor to review all students' registration forms and complete their online selection of courses.
- Online registration will be closed two days after the commencement time.
- In June, students will review their tentative schedules for the next school year. Changes may be made at that time.

In the 20-credit system, students must:

- Meet the requirements of the prescribed common curriculum of the 9/10 program as outlined in the grades 9/10 Companion Document
- Obtain a literacy credential by achieving a successful rating on the Grade 9 English Language Proficiency Assessment or Reassessment
- Attain 17 of 20 credits (including compulsory credits) as outlined in the High School Program.
- Accumulate a minimum of five credits at the grade 12 level

There are seven compulsory credits:

- Five credits include:
 - English grade 11 (two credits)
 - English grade 12 (one credit)
 - Foundations of Mathematics 110 OR Financial & Workplace Mathematics 110 (one credit)
 - Modern History grade 11 (one credit) or AP Seminar/World Issues (two credits)
- One credit must be in Science. Students can choose from:
 - Physics
 - Biology
 - Chemistry
 - Environmental Science
 - Robotics
 - Electronics
 - Physical Geography
 - Human Physiology
- One credit must be from the Fine Arts/Life Role Development Cluster. Students can choose from:
 - Visual Arts 110 / 120
 - Individual and Family Dynamics 120
 - Music 111/112
 - Music 122
 - Co-op Ed 120
 - Outdoor Pursuits 110
 - Theatre Arts 120
 - Health and Phys. Ed (Leadership)120
 - Graphic Arts and Design 110
 - Entrepreneurship 110
 - Wellness and Phys. Ed 110
 - Culinary Technology 110
 - Nutrition for Healthy Living 120
- 10 Additional credits.

Graduation requirements for a student identified as being exceptional (as defined by the Education Act) may vary as documented in his/her Personal Learning Plan (PLP). Modification (MOD), and/or Individualization (IEP) must be indicated on the transcript. No such indication will appear on the diploma.



Instrumental Music Program at HVHS

A Guide to the Program & Registration

The Harbour View High School Band Program is **co-curricular**. **Instrumental Music** refers to the courses. **Band** refers to the extra-curricular portion. i.e. morning rehearsals.

The music schedule looks like this: (subject to change based on enrolment)

1st Semester

Curricular:

Grade 9 Instrumental Music (alternate daily with Phys. Ed.)

Grade 10 Instrumental Music

Extra-Curricular Band:

Grades 11 & 12 Senior Band – Five mornings a week at 8am

2nd Semester

Curricular:

Grade 11 & 12 Music 111/122 Instrumental Music Courses

Extra-Curricular Bands:

Grade 9 Band – Two mornings a week at 8am (Wednesday and Thursday)

Grade 10 Band – Two mornings a week at 8am (Monday and Tuesday)

Grade 9 Instrumental Music

- Offered to Grade 9 Students. (Sign up in June of previous year)
- No experience on an instrument is necessary.

Grade 9 Band

- Any student who took Grade 9 Instrumental Music 1st Semester **or** has experience on an instrument may join Grade 9 Band.
- Just come to the rehearsals, and you're in!

Grade 10 Instrumental Music

- This course is for students who took **Grade 9 Instrumental Music**.
- Priority is given to students who were in **Grade 9 Band**.
- The priority numbers given to their specialties is also considered.

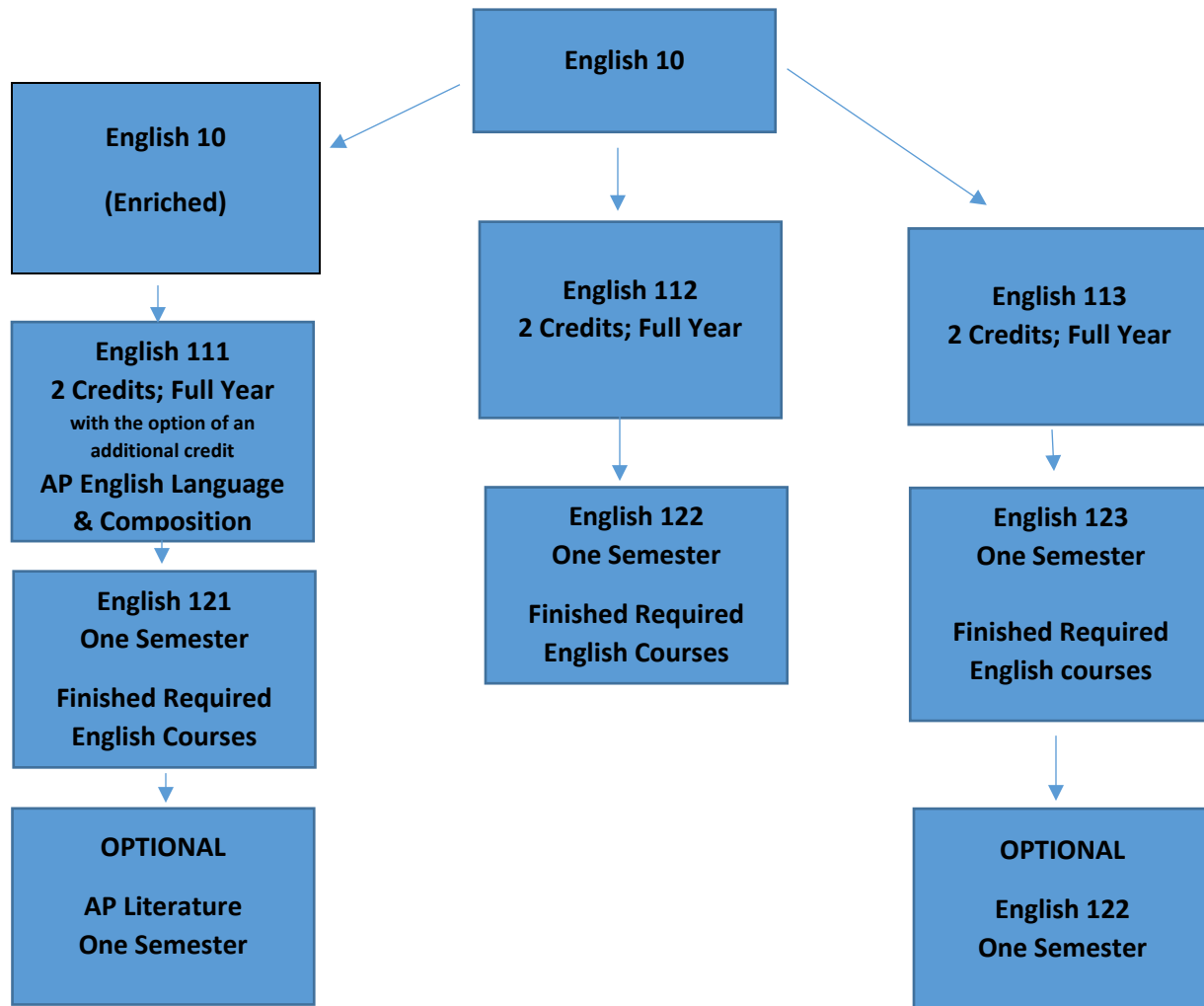
Grade 10 Band - Any student who took Grade 10 Instrumental Music may join Grade 10 Band

Music 111 & Music 122 (fulfill the graduation requirement for Life Role Development)

- Prerequisite for Music 111 is Grade 10 Instrumental Music
- Prerequisite for 122 is Music 111
- Being in **Band** as well as taking these courses is **HIGHLY RECOMMENDED!**
- By this point, students should be committed to the program, not just the courses.

Senior Band – Any student who took Grade 9 and 10 Instrumental Music may join Senior Band.

English Pathways



The prerequisite for AP Seminar / World Issues is 85% in English. This course may be taken by students in grade 10, 11 or 12.

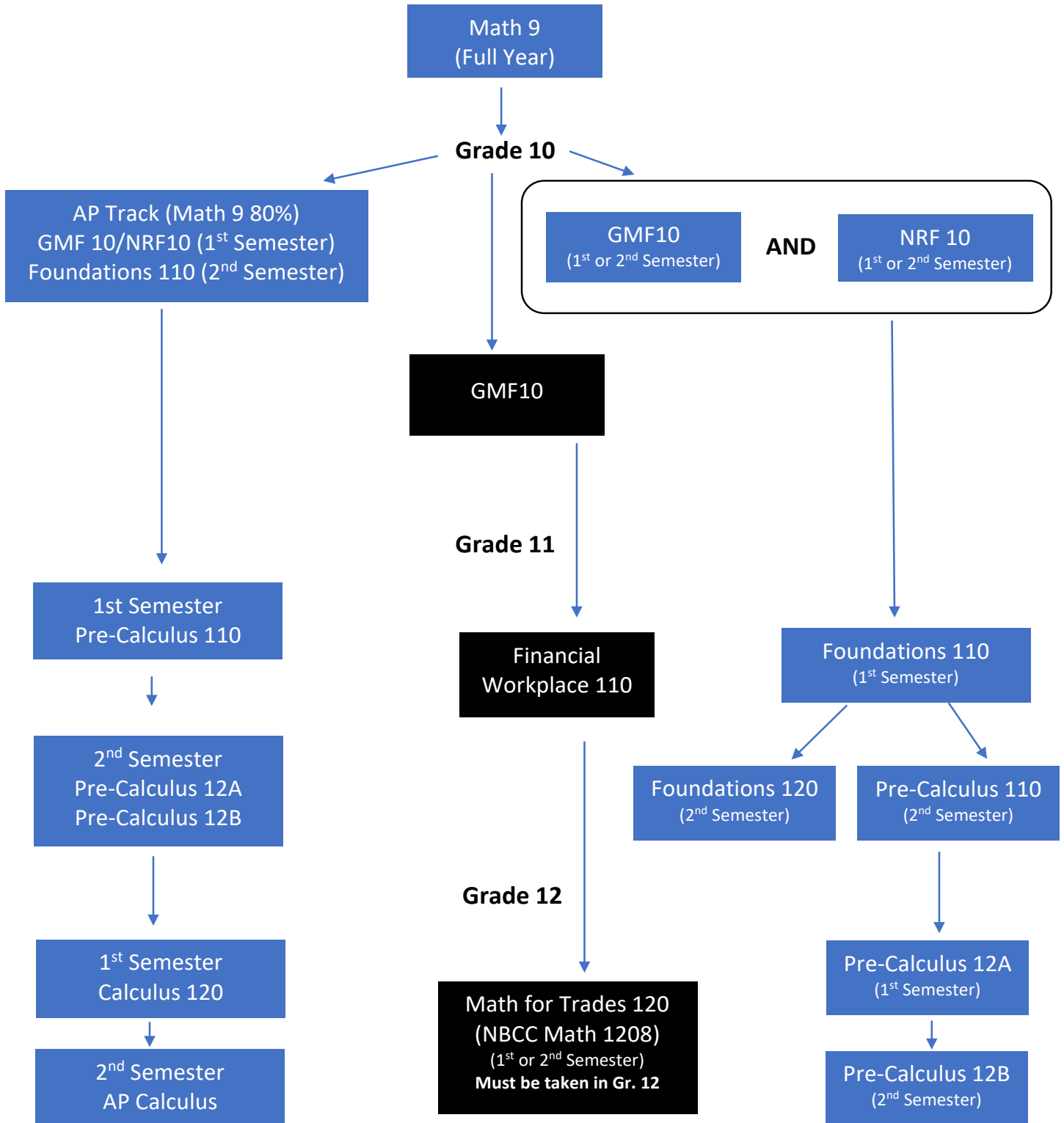
The prerequisite for **English 111** is 85% in English 10.

All grade ten students should consult their current English teachers for a grade eleven English recommendation to help with the decision making process.

Students in **the level three pathway** who wish to take both English 123 and 122 in their graduating year **must** take English 123 **first** semester.

English 123 and 122 may **not** be taken concurrently. Following a student's successful completion of English 123, English 122 should **only** be taken with the recommendation of the English teacher, and only with careful consideration of the student's current credit situation.

Math Pathways





AP (Advanced Placement)

Contact SPR: Mrs. J. Brown
JenniferA.brown@nbed.nb.ca

What is AP?

Advanced Placement is really two programs:

- a program of advanced studies intended to allow high school students to work at a university entrance level, and
- an international program offering standardized exams that allow students, if successful on the exams, to obtain university credits.

The Advantages of AP include:

- the opportunity to participate in a challenging program of studies.
- placement with highly motivated students with common interests, both in terms of the subject and in their desire for excellence.
- the opportunity to write exams that could provide university credits, advanced standing and considerable tuition savings. Exams are written in May.

We offer AP programs in:

AP English Program

Grade 10	English 10 (full year)
Grade 11	English 111 / AP English Language & Composition
Grade 12	English 121 / AP English Literature 120

AP French Program

Grade 10	FI Language Arts 10
Grade 11	FI Language Arts 110
Grade 12	FI Language Arts 120 / AP French Language & Culture

AP History & Social Science Program

Grade 10	Social Studies 10 / FI Social Studies 10
Grade 10	AP Seminar / World Issues 12
Grade 11	Modern History 111 or FI Modern History 11 / AP European History 120
Grade 11	English 11 (Full year - 75% or higher) / Grade 12 AP Psychology
Grade 11	Visual Art 110 / Visual Art 120 / AP Art Studio

AP Math Program

Grade 10	Numbers Relations Functions 10 (FI) / Foundations of Math 110 (FI)
Grade 11	Pre-Calculus 110 (FI) / Pre-Calculus 120A/B
Grade 12	Calculus 120 / AP Calculus 120

AP Science Program

Grade 10 / 11 or 12	AP Research		
Grade 10	Biology 111	Grade 10	Chemistry 111
Grade 11 or 12	Biology 121	Grade 11 or 12	Chemistry 121
Grade 11 or 12	AP Biology	Grade 11 or 12	AP Chemistry
	AP Environ. Science		AP Environ. Science
Grade 11 or 12	Intro. Environ. Science	Grade 11	Physics 111
Grade 11 or 12	Adv. Environ. Science	Grade 12	Phys. 121 / AP Physics
Grade 12	AP Environ. Science		



AP Capstone Diploma Program

Harbour View High School is an AP Capstone School.

What is AP Capstone?

- AP Capstone is an innovative diploma program that provides students with an opportunity to engage in rigorous scholarly practice of the core academic skills necessary for successful university completion.
- AP Capstone is built on the foundation of two courses - AP Seminar and AP Research and is designed to complement and enhance the in-depth, discipline-specific study provided through AP courses.
- AP Capstone cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

The Advantages of AP Capstone include

- Fosters the critical and creative thinking, argumentation, and research skills that are at the core of university readiness and essential for lifelong learning.
- Provides a setting to build on the knowledge and rigorous course work of AP in an interdisciplinary format.
- Offers students a unique opportunity to distinguish themselves to colleges and universities.
- Success on AP exams can lead to advanced standing (a first-year credit) at most universities in Canada, United States and at many other institutions around the world.

Option 1: AP Capstone Diploma

Four AP Subject Courses* (Grades 11 & 12)
AP Seminar* (Grade 10 or 11)
AP Research* (Grade 11 or 12)

Option 2: AP Capstone Certificate

AP Seminar* (Grade 10 or 11)
AP Research* (Grade 11 or 12)

*Students must attain an AP grade of three or higher to be eligible for the diploma/certificate.



HVHS Grade 10 Course Descriptions

Specialty Course Descriptions

Broad Base Technology 10

This course is designed to serve as an introduction to the various technology courses offered at Harbour View High School. Each unit of study in BBT 10 will give students the opportunity to explore the nature of the technology and make an informed decision about whether this is an area they wish to pursue when selecting grade 11 and 12 credits.

Health and Physical Education 10

This course provides students with the opportunity to acquire knowledge about the relationships between their own personal health and physical activity. It will introduce students to a number of recreational activities, many of which they may pursue beyond their high school years. While the course is concerned with the acquisition of knowledge and skill, an essential goal is the development of positive self-esteem and active participation in physical activities. The course emphasizes “fitness for life.”

Health and Physical Education 10 – Basketball Academy

This course will cover the outcomes required for HPE 10 but with basketball-specific elements. Training will focus on improving individual skills such as shooting, ball handling, passing, and one on one moves. Defensive and offensive team tactics will also be taught, but the emphasis will be on the individual skills required to perform at game speed. Physical fitness training will also be included and will emphasize how to train in season with students following their own plans to improve flexibility, strength, aerobic and anaerobic capacity.

(Instrumental) Music Grade 10 (2nd year)

This performance-based course extends the Grade 9 Instrumental music program. Students will continue ensemble playing through a broad repertoire and study basic music theory. **Prerequisite: (Instrumental) Music 9**

Visual Arts 10

This course builds on the skills previously learned in grade 9 Visual Arts. Students will develop skills in shading, colour theory, pattern and design. Students will also create a sculpture using ground paper. The sketchbook is an integral part of this course.

Grade 10 Credit Course Descriptions

AP Seminar / World Issues (2 credits)

AP Seminar/World Issues is a year-long 2 credit courses where students learn to conduct independent research involving advanced texts and media, synthesize information from multiple perspectives, and argue their point of view through written essays and team-based oral presentations. In the process, students engage with complex ideas and events shaping the world today. They learn about the unity and diversity of human experience; the interdependent systems that link humans to each other and the natural world, and the geopolitical tensions arising from competing rights and responsibilities on the local, national, and world stages. Ultimately, the course aims to empower students with the ability to evaluate information with accuracy and communicate evidence-based arguments.

Prerequisite: English 9 – 85% or Teacher’s recommendation



Biology 11 (also FI)

This course is geared for students who would like to pursue their interest in biology. In Biology 11, students study the cell as the basic unit of life and the diversity of organisms that make up World's ecosystems. Students will also study some of the body systems that allow multicellular organisms to maintain equilibrium as they interact with the outside environment. There is a significant lab component to this course with several dissections. Level 1 students will cover additional curriculum outcomes.

Prerequisite: Science 10

Biology 12

In Biology 12, students begin to focus on Biology at a molecular level. Students will study how organisms grow and pass along characteristics to future generations, and then how these impacts at the species and population level. They also pick up from grade 11 with the study of more systems that allow multicellular organisms to maintain equilibrium internally and with their environment. In both bio 11 and bio 12 students investigate the impact of biology and technology on society and the impact of human activities on the natural world. Level 1 students will cover additional curriculum outcomes.

Prerequisite: Biology 11

Chemistry 11

Topics in this course include classification of matter, an introduction to atomic theories, naming elements and compounds, chemical reactions, solutions, stoichiometry and chemical bonding. Chemistry 111 moves at an accelerated pace and involve less repetition and practice than for Chemistry 112. This should free up time, which should then be used to enrich the course with more complex and challenging problems, and extensions of topics and activities. **Prerequisite: Science 10**

Chemistry 12

Topics in this course include Gas Laws, Thermochemistry, Solutions to Kinetics to Equilibrium and Organic Chemistry. Chemistry 121 moves at an accelerated pace and involve less repetition and practice than for Chemistry 112. This should free up time, which should then be used to enrich the course with more complex and challenging problems, and extensions of topics and activities.

Prerequisite: Chemistry 11

Financial and Workplace Mathematics 110

This course is the first of two courses in the Financial and Workplace pathway designed for entry into post-secondary trades and technical programs, or for direct entry into the work force. Concepts of right triangles, trigonometry, and angles of elevation and depression are applied to contextual problems. Scale models and drawings of 2-D and 3-D objects are constructed from various views and perspectives. Students are challenged to solve problems that involve numerical reasoning. Costs and benefits of renting, leasing and buying are explored, investment portfolios analyzed, and personal budgets developed. Students manipulate and apply formulas in a variety of ways and solve problems using proportional reasoning and unit analysis. Students have a choice of this course or Foundations of Mathematics 11 to complete graduation requirements. **Prerequisite: Math 10 GMF (Also FI)**

Foundations of Mathematics 110 (also FI)

This course is designed for students continuing on to university programs. It is the prerequisite for Pre-Calculus 110. Students develop spatial sense and proportional reasoning through problems that involve rates, scale diagrams and relationships among similar 2-D and 3-D shapes and objects. Students develop logical reasoning skills and apply this to proofs and problems involving angles and triangles, the sine law and the cosine law. Students model and solve problems involving systems of linear inequality in two variables and explore characteristics of quadratic functions. Costs and benefits of renting, leasing and buying are explored and investment portfolios are analyzed. **Prerequisite: Math 10 NRF (Also FI)**



Human Physiology 110

The goal of this course is to build an understanding of the physiology of the human body as a complex dynamic organism that is self-contained but impacted by and responsive to the outside world. Throughout the course students will build their scientific literacy skills as they learn to navigate the information provided on human health and human body systems. By the end of this course, students will have developed a holistic personal wellness plan, demonstrating their understanding of overall health, human physiology, and the effect of disease and lifestyle choices

Introduction to Applied Technology 110

(Course fee - \$10.00)

This course is designed to introduce students to a variety of careers in trades, providing 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 skills will be reinforced. Student creativity and life skill development in the design, construction, repair, and maintenance unit modules reinforce situations that are found in industry.

Numbers, Functions & Relation (Also FI)

This course is the first course on the academic pathway and is the prerequisite for Foundations 110. This course gives students the basic principles in prime and polynomial factoring, radicals and rational exponents, exponent laws, including negative exponents, linear relations and systems of linear equations and the examination of relations and functions, including their similarities and differences along with function notation.

Physical Geography 110

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

Writing 110

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

Young Adult Literature 120

(Contact: English SPR)

Do you LOVE to read? YAL is dedicated to bringing the joy back to reading. This course will appeal to avid readers who enjoy introspective writing and lively discussion. We will look at some of the most popular genres in YA literature: dystopian, realistic, supernatural, novels written in verse etc. But mostly we read for FUN!



HVHS Grades 11 & 12 Course Descriptions

AP (Advanced Placement)

Contact SPR: Mrs. J. Brown
jenniferA.brown@nbed.nb.ca

AP Capstone Diploma

AP Capstone Diploma

If you wish to obtain an AP Capstone Diploma you will need to take AP Seminar, AP Research, and **four** other AP courses and exams. If you take AP Seminar and AP Research, you'll earn an AP Research and Seminar Certificate. **These are both impressive accomplishments that demonstrate your ability to successfully manage college-level academic challenges.**

AP Studio Art

The Advanced Studio is a course designed to be the equivalent of a first-year college art class. It is an intensive hands-on course which develops a comprehensive portfolio that meets the requirements for college-level classes. Students investigate all three portfolio components - Quality, Concentration, and Breadth. To enroll, students must satisfy a pre-requisite of two years of previous study in art during high school and must also pass a portfolio review. A substantial amount of work is required outside of class. **Prerequisite: Visual Art 110/120**

AP Biology

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

AP Calculus

The content of the course follows an introductory university calculus course and includes such topics as limits of functions, asymptotic and unbound behaviour, continuity as a property of functions, derivatives, related rates, curve-sketching, interpretation and properties of definite integrals. **Prerequisite: 85% in Calculus 120**

AP Chemistry

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

AP English Language and Composition / English 111 (three credits)

This course is designed for students whose aptitudes and interests in language and literature are above average. This full year, three credit courses will provide an enriched variety of experiences with language and texts to challenge and refine students' competencies. Greater range and depth of the English Language Arts English 11 curriculum plus more independent and interdependent experiences will accommodate students' interests and talents. The AP English Language and Composition component cultivates the reading and writing skills that students need for college



success and for intellectually responsible civic engagement. Students will become curious, critical, and responsive readers of diverse texts, becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations.

Prerequisite for English 111: 85% in English 10

Prerequisite for English 121: an English 111 credit or 80% in English 112

AP English Literature

This course is for any student who enjoys reading, discussing, and writing about literature. The discussions involve structure, style, and themes, as well as figurative language, imagery, symbolism, and tone. If you are planning on completing a Bachelor of Arts degree, or just love reading and learning about how writers use language to provide meaning and pleasure, you should take this course!

Prerequisite: English 121 or 80% in English 122 or permission from English SPR.

AP Environmental Science

The goal of this course is to provide students with the scientific principles, concepts, and field techniques to understand the interconnectedness of the natural world. Students will be expected to identify and analyze naturally occurring and anthropogenic environmental problems. They will be expected to assess the risks associated with these problems and to examine solutions for resolving and/or preventing them. **Prerequisite: Advanced Environmental Science 120 or permission from the Science SPR.**

AP European History

In this course students will do independent, analytical and critical research using primary sources. A strong writing background and ability to do work on one's own is needed. AP will give students an opportunity to take a university level course. **Prerequisite: 85% in Modern History 111 or FI Modern History 11**

AP French Language and Culture

The AP French Language and Culture course is designed to promote proficiency in French and to enable students to explore culture in contemporary and historical contexts. The course prepares students to use the French language in real-life settings and develop language skills that can be applied beyond the French course in further French study. The course focuses on developing skills in the Interpersonal (conversations), Interpretive (reading) and Presentational (speaking and writing) communications through the use of a variety of topics in interesting, meaningful and engaging contexts. **Prerequisite: FI Language Arts 120 or French 121**

AP Physics

This course gives any student considering studying science or engineering subjects after high school the opportunity to take a college-level physics course and exam while still in high school. It is assumed that students enrolling in AP Physics have a genuine interest in Physics and have an above average ability in mathematics. **Prerequisite: Physics 111 and Physics 121**

AP Psychology

Explore the ideas, theories, and methods of the scientific study of behavior and mental processes. You'll examine the concepts of psychology through reading and discussion and you'll analyze data from psychological research studies. Skills you will learn connecting psychological concepts and theories to real-life scenarios, understanding and interpreting data, and analyzing research studies in psychology.

Prerequisite: Psychology 120 or permission from English and Humanities SPRs.



AP Research

This course is designed to allow students to explore deeply an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a research investigation to address a research question. Students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4000-5000 words and a presentation with an oral defense.

Prerequisite: AP Seminar

AP Seminar / World Issues 120

AP Seminar/World Issues is a year-long 2 credit courses where students learn to conduct independent research involving advanced texts and media, synthesize information from multiple perspectives, and argue their point of view through written essays and team-based oral presentations. In the process, students engage with complex ideas and events shaping the world today. They learn about the unity and diversity of human experience; the interdependent systems that link humans to each other and the natural world, and the geopolitical tensions arising from competing rights and responsibilities on the local, national, and world stages. Ultimately, the course aims to empower students with the ability to evaluate information with accuracy and communicate evidence-based arguments.

Prerequisite: English 9 – 85% or Teacher’s recommendation.

ENGLISH

Contact SPR: Ms. Nancy Lyon
nancy.lyon@nbed.nb.ca

Canadian Literature 120

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

English 111 + AP English Language (3 credits)

This course is designed for students whose aptitudes and interests in language and literature are above average. This full year, three credit courses will provide an enriched variety of experiences with language and texts to challenge and refine students’ competencies. Greater range and depth of the English Language Arts English 11 curriculum plus more independent and interdependent experiences will accommodate students’ interests and talents. The AP English Language and Composition component cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. Students will become curious, critical, and responsive readers of diverse texts, becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen their understanding of how written language functions rhetorically: to communicate writers’ intentions and elicit readers’ responses in particular situations.

Prerequisite for English 111: 85% in English 10

Prerequisite for English 121: an English 111 credit or 80% in English 112



English 111 – 121

This pair of courses is designed for students whose aptitudes and interests in language/literature are above average. These courses will provide an enriched variety of experiences with language and texts to challenge and refine students' competencies. Greater range and depth of the content plus more independent and interdependent experiences will accommodate students' interests and talents.

Prerequisite for English 111: 85% in English 10

Prerequisite for English 121: an English 111 credit or 80% in English 112

English 112 – 122

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

Prerequisite for English 112: 60% in English 10

Prerequisite for English 122: an English 112 credit.

English 113 – 123

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

Prerequisite: English 10

English 110

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

Journalism 120

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

Prerequisite: English 10

Media Studies 120

This course examines different forms of communication and their impact on the individual and society. The course focuses heavily on class discussions, group work and in-depth examination of various topics associated with Media. Students will learn to recognize the unique attributes of several forms of media and their distinct effects. They will investigate such issues as media ownership, public access, gender issues in advertising, and media literacy to name a few. Students will also examine various media sources/examples to detect inherent strengths and weaknesses like the promotion of humanitarianism, or political propaganda. For their final summative assessment, students will be required to construct their own media product utilizing digital media editing software (GIMP 2.0, Photoshop). Tutorials on how to use the available software will be given.



Reading Tutor 120

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

Writing 110

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

FRENCH

Contact SPR: Mr. Troy Sprague-Hay
troy.sprague-hay@nbed.nb.ca

French Immersion Biology 111

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

Prerequisite: 75% in Science 10

French Immersion Biology 112

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

Prerequisite: Grade 10 Science

French Immersion Foundations of Mathematics 11

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

French Immersion Individual and Family Dynamics 120

The overall aim of Individual and Family Dynamics 120 is to provide students with the necessary knowledge, skills, and abilities to meet the challenges of our dynamic and complex society. The course focuses on the development of resourcefulness to assist students in viewing the family from various perspectives and to make informed decisions about solutions to existing and emerging difficulties



occurring in everyday living. The interrelatedness between family and work life is addressed as well as the need to understand better daily family issues and their impact on both the family and work environments. Ind. Family Dynamics 120 has been designed for students who plan to undertake further studies in this field and those who wish to expand their knowledge in the area of family studies.

French Immersion Language Arts 120

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

Prerequisite: F.I. Language Arts 110.

French Immersion Language Arts 110

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

Prerequisite: F.I. Language Arts 10

French Immersion Modern History 112

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

French Immersion Pre-Calculus 11

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

Prerequisite for Pre-Calculus 12A.

French Immersion World Issues 120

This course examines issues that are global in nature and will require a global solution. Students must stay abreast of 'breaking news' as it affects the relationship amongst all the players in the global community. Students will deconstruct how topical challenges have been faced in the past, and what viable solutions are needed for their generation. Students will be involved in active forms of discussion such as debate, role-playing, seminar presentation and peer evaluation.

Prerequisite: Grade 11 FI Modern History

Post Intensive French 110

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

Prerequisite: PI French 10 or 75% or higher to take level one.



Post Intensive French 120

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

Prerequisite: PI French 110.

HUMANITIES

Contact SPR: Mrs. Jane Tunney
jane.tunney@nbed.nb.ca

Canadian Geography 120

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

Canadian History 122

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

Prerequisite: Modern History 111 or 112

Canadian History 121

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

Prerequisite: Modern History 111 or 75% in Modern History 112.

Child Studies 120

This course is designed for students who plan to undertake further studies in this or related fields, and those students who wish to expand their knowledge of the developing child. The course has three purposes: 1. to help students develop an intellectual and emotional understanding of children; 2. to help gain personal skills for participating with children; and 3. to develop in students the learning skills they will need in order to be successful in their relationships with children.

Economics 120

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

Hospitality and Tourism 110 (Computer based)

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



Indigenous Studies 120

This course is designed to discuss and deconstruct the history, culture and conflicts of the First Nation peoples across Canada. Issues of today are examined.

Prerequisite: Grade 11 Modern History

Law 120

This course is designed to give students knowledge of Canadian law, changes in Canadian Law caused by changes in the written law, as well as changes caused by court decisions, and the major changes the constitution has brought about. Areas of study include the Origins of the Canadian Legal System, Criminal law, Torts/Civil law, Family Law, and Wills and Estates. In all areas the Charter of Rights and Freedoms and Human Rights Legislation is considered. Actual case studies are used to illustrate situations within these areas of law.

Modern History 111

This enriched course is an in-depth thematic study of major events in modern Europe history that have shaped the 21st century. Topics discussed include the French, Industrial, and Russian Revolutions, the rise of both the far right and left; Totalitarianism; the two world wars and the Cold War. Students may be called upon to make oral presentations and an in-depth essay analysis.

Modern History 112

Modern History 112 follows the secularization of Western society with particular emphasis on the revolutions on the 19th and 20th centuries. Topics will include the French, Industrial and Russian Revolutions, the World Wars, the rise of Totalitarianism and the Cold War. Students may be called upon to make oral presentations or an in-depth essay analysis.

Modern History 113

Modern History 113 is designed to provide an understanding of the main events of the twentieth century, as well as some familiarity with basic skills used to interpret historical accounts. A survey approach is given to the following topics: World Geography, the revolutions of France, Industrialization, and Russia; rise of Totalitarianism, the two world wars and the Cold War.

Political Science 120

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

Prerequisite: Grade 11 Modern History

Sociology 120

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

World Issues 120

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

Prerequisite: Grade 11 Modern History



MATHEMATICS

Contact SPR: Mrs. Jennifer Brown
JenniferA.Brown@nbed.nb.ca

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.

Prerequisites: Pre-Calculus A 120 and Pre-Calculus B 120

Financial and Workplace Mathematics 110

This course is the first of two courses in the Financial and Workplace pathway designed for entry into post-secondary trades and technical programs, or for direct entry into the work force. Concepts of right triangles, trigonometry, and angles of elevation and depression are applied to contextual problems. Scale models and drawings of 2-D and 3-D objects are constructed from various views and perspectives. Students are challenged to solve problems that involve numerical reasoning. Costs and benefits of renting, leasing and buying are explored, investment portfolios analyzed and personal budgets developed. Students manipulate and apply formulas in a variety of ways and solve problems using proportional reasoning and unit analysis. Students have a choice of this course or **Foundations of Mathematics 11** to complete graduation requirements. **Prerequisites: GMF 10 (Also FI)**

Foundations of Mathematics 110

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

Foundations of Mathematics 120

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

Foundations of Mathematics 110 is a prerequisite for this course.



NBCC Skill Trade Work Ready Math 120

The NBCC Dual-Credit Skilled Trades Mathematics course focuses on refreshing math skills and solving contextual problems related to skilled trades. Students will gain independence by learning in a self-paced environment and will complete personalized, hands-on projects that incorporate multiple trades. **Once a student successfully completes this course, it can be used as a credit toward many trades' programs at NBCC.**

Numbers, Function & Relations (NRF)

This course is the first course on the academic pathway and is the prerequisite for Foundations 110. This course gives students the basic principles in prime and polynomial factoring, radicals and rational exponents, exponent laws, including negative exponents, linear relations and systems of linear equations and the examination of relations and functions, including their similarities and differences along with function notation.

Pre-Calculus 110

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

Prerequisite: Pre-Cal. 12A

Pre-Calculus A 120

This course follows **Pre-Calculus 110** and is a prerequisite 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, 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 precedes **Calculus 120**. Students analyze arithmetic and geometric sequences and series to solve problems. They learn to factor polynomials of degree greater than 2, and to graph and analyze polynomial functions. They also graph and analyze radical, reciprocal and rational functions, building a function toolkit. Students are introduced to the concept of limits and determine the limit of a function at a point both graphically and analytically. They explore and analyze left- and right-hand limits as x approaches a certain value using correct notation, analyze the continuity of a function and explore limits which involve infinity.

Prerequisite: Pre-Calculus A 120



Advanced Environmental Science 120

The goal of this course is to provide students with opportunity to explore the scope of environmental science and how it links to other disciplines and will apply their science literacy skills to environmental issues. Students will explore different perspectives, and different world views of the environment and examine how this affects policies, legislation, cultural perspective, economics and community aspects which impact on these issues. Students will describe the biodiversity and the natural dynamics of terrestrial, aquatic and human community systems, both what a healthy ecosystem looks like, and the issues relating to human interaction with the ecosystem. They will be expected to assess the risks associated with these problems and to examine solutions for resolving and/or preventing them. Students will also be required to demonstrate personal appreciation of, stewardship of and advocacy for the environment, and will be challenged to engage others in environmental inquiry.

Prerequisite: Biology 111-112 or Chemistry 111-112 or Introduction to Environ. Science 120

Biology 111

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

Prerequisite: 75% in Science 10

Biology 112

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

Prerequisite: Grade 10 Science.

Biology 121

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

Biology 122

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

Chemistry 111

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

Prerequisite: 75% in Science 10



Chemistry 112

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

Chemistry 121

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

Prerequisite: Chemistry 111

Chemistry 122

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

Human Physiology 110

The goal of this course is to build an understanding of the physiology of the human body as a complex dynamic organism that is self-contained but impacted by and responsive to the outside world. Throughout the course students will build their scientific literacy skills as they learn to navigate the information provided on human health and human body systems. By the end of this course, students will have developed a holistic personal wellness plan, demonstrating their understanding of overall health, human physiology, and the effect of disease and lifestyle choices

Introduction to Environmental Science 120

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

Physical Geography 110

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

Physics 111

This course follows the same content as Physics 112 (see below) but in greater depth. Students considering taking AP Physics must take this course. **Prerequisite: Grade 10 Science**

Physics 112

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

Prerequisite: Grade 10 Science



Physics 121

This course will build upon the key principles introduced in Physics 111. The course follows the same content as Physics 122 but in greater depth. Students considering taking AP Physics must take this course. **Prerequisite: Physics 111**

Physics 122

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

Science122

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

TECHNOLOGY

Contact SPR: Mr. Troy Sprague-Hay
troy.sprague-hay@nbed.nb.ca

Computer Aided Design 110

This is an introductory course designed to give students a solid base of knowledge and skill in the drafting area. Through various activities, including sketching and computer assisted drawing (CAD), students gain the skills necessary both to visualize and present ideas graphically. In CAD 110, students will have the opportunity to experience drafting using 2D and 3D computer applications as well as learning about 3D printing. As use of this form of graphic communication is so universal, this course would be of interest and benefit to a wide range of students beyond those pursuing a career specifically in the drafting industry or technology/engineering areas.

Computer Science 110

This is a course designed to introduce the student to the process of developing a structured approach to writing computer instructions using a high-level language. Students will learn programming concepts using the Python language. The course is intended to develop problem-solving skills, logical-thinking skills, organizational skills and teamwork approaches. This course is a desired prerequisite for Computer Science 120.

Computer Science 120

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

Cybersecurity 120

The Cybersecurity 120 course will inspire students through the experiential learning of the fundamentals and possibilities of cybersecurity. In this course, students will be actively engaged in the design, development and evaluation of defensive cybersecurity projects, including awareness, concepts and challenges. Topics will include networks, vulnerabilities, malware, access control, privacy and encryption.



Digital Production 120

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

Information Technology 120

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

Robotics & Automated Technology 120

This course introduces students to the skills and knowledge required to pursue further studies in the robotics field. This course is designed for students who are interested in a technical or engineering career. Three main disciplines—computer science, electronics, and engineering—interrelate in robotic technology concepts. Students will be involved with the assembly of components in order to build a robot. Automated or robotic technology will be explored through experimentation, including hands-on and programming of robotic devices. Students will work to create automatic or robot-operated systems that model concepts used in industry.

LIFE ROLE & PERSONAL DEVELOPMENT

Contact: Appropriate SPR/Teacher

Co-operative Education 120 (3 credits - application required) (Contact: Humanities SPR)

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

COOP 120 (2 credits) (Innovation Development Entrepreneurship Action (I.D.E.A))

Students will gain experience through high levels of engagement as they work independently and in teams to research problems in their communities, develop social ventures and launch new initiatives to explore the entrepreneurial ecosystem while contributing positively to their communities. Students will develop skills required to work in a business; as an owner, operator, innovator, community organizer, information analyst, marketing consultant, electronic commerce specialist, and be aware of the international and local economy. Through this new program, students will learn technical skills required to analyze market and community problems and opportunities, as well as to develop solutions that incorporate resources, community assets and technology effectively.

Students will identify, research and address community problems through the vehicle of social enterprise and entrepreneurship. The students' work will be guided and accelerated by potential connections with community-based mentors such as Enterprise Saint John, Connexionworks, the Social Enterprise Hub, Junior Achievement, Brilliant Labs and many others. This afternoon course takes place in downtown Saint John and counts for two credits towards graduation.

COOP 120 (1 credit) (Mentorship Virtual Coop 120)



This 1-period coop is for students who are highly motivated, and who can work with limited supervision and direction. Not all students will succeed in this environment. Students will be interviewed to find appropriate mentor. Supplemental resources have been developed online to assist in the delivery of the program. (For more details contact Mike Cusack (mike.cusack@gnb.ca).

Culinary Technology 110

(Course Fee \$10.00)

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

Entrepreneurship 110

(Contact: Humanities SPR)

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

Individual and Family Dynamics 120 (Also FI)

(Contact: Humanities SPR)

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

Music 111

(Contact: Humanities SPR)

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

Music 122

(Contact: Humanities SPR)

This course is intended to further the study of music as initiated in Music 111 course. All students taking this course must play an instrument at a level suitable to ensure success in the course. Music history and theory are an important component of the course. **Prerequisite: Music 111**

Nutrition and Healthy Living 120

This course is designed to make students aware of preventative strategies to contribute to overall wellness, make healthy food choices and maintain a balance between eating habits and physical activity. Current issues related to chronic diseases, lifestyles, and food technologies will also be discussed. Students will be encouraged to use reliable information to examine their eating habits and lifestyle choices.



Outdoor Pursuits 110 (course fee \$125 - application required) (Contact: Athletic SPR)

Outdoor Pursuits 110 provides opportunities for students to explore various outdoor adventure activities such as camping, kayaking, canoeing, backpacking, hiking, cross-country skiing, downhill skiing, snowshoeing, orienteering, and rock climbing. From these experiences they will gain a greater insight, appreciation, concern and knowledge about the outdoor environment and the opportunities that it holds for educational, recreational, and economic benefit. Also throughout the course students will take part in many team-building activities and group problem solving initiatives, where students learn to communicate and support one another to reach their goals, improve self-esteem, develop leadership skills, develop strategies that enhance decision-making, and to respect the differences within a group.

Physical Education Leadership 120 (Contact: Athletic SPR)

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

Theatre/Dramatic Arts 120 (Contact: English SPR)

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

Visual Arts 110 (Contact: Humanities SPR)

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

Visual Arts 120 (Contact: Humanities SPR)

This course is designed for students who wish to investigate art-related interests or careers. The concepts developed in the grade 11 course are enhanced. This course features a series of projects that develop students' skills on an advanced level, in drawing, painting, printmaking and sculpture. Prerequisite: Visual Arts 110

Wellness through Physical Education 110 (Contact: Athletic SPR)

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



BUSINESS ELECTIVES

Contacts: Humanities SPR
Mathematics SPR

Accounting 120

(Contact: Mathematics SPR)

This course introduces students to accounting procedures, concepts, and applications. Course topics include the nature of business transactions, various careers associated with financial management, bookkeeping procedures, accounting theory, the accounting cycle, and financial statement analysis. The course is designed for those students intending to study business at post-secondary institutions. Students who register for this course should have felt comfortable completing their previous math courses.

Business Organization & Management 120

(Contact: Humanities SPR)

This course focuses on ways in which organizations deal with issues affecting their competitiveness in a changing technological and global business environment. Students will study issues such as financial literacy, ethics in business, business environments, management functions, and employee motivation. Students will develop critical thinking and problem-solving skills needed to excel in post-secondary learning and understand/practice the leadership and management skills required to enhance New Brunswick small business enterprise.

CO-OP (2 credits)(I.D.E.A.)

(Contact: Humanities SPR)

Students will gain experience through high levels of engagement as they work independently and in teams to research problems in their communities, develop social ventures and launch new initiatives to explore the entrepreneurial ecosystem while contributing positively to their communities. Students will develop skills required to work in a business; as an owner, operator, innovator, community organizer, information analyst, marketing consultant, electronic commerce specialist, and be aware of the international and local economy. Through this new program, students will learn technical skills required to analyze market and community problems and opportunities, as well as to develop solutions that incorporate resources, community assets and technology effectively.

Students will identify, research and address community problems through the vehicle of social enterprise and entrepreneurship. The students' work will be guided and accelerated by potential connections with community-based mentors such as Enterprise Saint John, Connexionworks, the Social Enterprise Hub, Junior Achievement, Brilliant Labs and many others. This afternoon course takes place in downtown Saint John and counts for two credits towards graduation.

APPLIED TECHNOLOGY

Contact SPR: Mr. Troy Sprague-Hay
troy.sprague-hay@nbed.nb.ca

Culinary Technology 110

(Course Fee \$10.00)

This course is an introduction to the food service industry. Through participation in different experiences within a quantity food service, the student learns both to master skills through practice and to become familiar with the required qualities for employment. Some areas to which the students are exposed include personal hygiene, sanitation, safety precautions, time management, the basic principles of food preparation, and the importance of serving nutritious and appetizing meals. **To prevent the spread of food borne illness and disease, Culinary Technology students must have excellent personal hygiene (no fake or gel nails allowed). In addition to this, students will be required to taste a variety of foods so fussy eaters may not want to take this course.**



Culinary Technology 120

(Course Fee \$10.00)

This course is designed to prepare students for employment and/or future education in the food service industry. This technology-driven and skill-oriented program involves not only the “how and why” of food services preparation but focuses on the development of personal skills and knowledge that can be applied to the food services industry. **Prerequisite: Culinary Tech 110.**

Culinary Technology 110/120 (2credits)

(Course Fee \$20.00)

Is an intensive 2 credit course encompassing course material from Culinary 110 and Culinary 120. Students will learn the theory and practical application of the following: basics of safety and sanitation, baking, meat cookery, starch cookery and vegetables. Students will be required to perform class presentations and demonstrations. Upon the completion of this course, students will have the skills and knowledge to create, prepare and serve, restaurant quality, meals. This course would benefit students wishing to enter the culinary field. **To prevent the spread of food borne illness and disease, Culinary Technology students must have excellent personal hygiene (no fake or gel nails allowed). In addition to this, students will be required to taste a variety of foods so fussy eaters may not want to take this course.**

Introduction to Electronics 110

What is going on inside my amplifier or radio or computer? This course will help to answer that question and introduce students to the skills and knowledge required to pursue post-secondary learning in electrical/electronic and computing fields. The course is recognized as a Science **or** a Technology credit towards graduation. The course presents basic theory and circuitry including components such as resistors, inductors, capacitors, transformers and diodes and explains when and how they can be used in practical applications. Introduction to Electronics 110 will be valuable to students with an interest in engineering or technology careers as well those with a hobbyist interest.

Prerequisite: Grade 10 mathematics (GMF10/NRF 10)

Framing and Sheathing 110

This course will provide students with skills and knowledge associated with the framing-in or shell construction of typical single-family dwellings. Students will participate in construction and planning activities with safety as the overriding theme. Activities include such things as measurement, tool identification and use, blueprint reading, material selection, estimating and layout, which culminate in the construction of a shed or similar structure. The course is taught using both theory and practical work and each are allocated approximately the same amount of class time. Students are required to have a pair of CSA certified steel toed work boots. If this is not feasible, arrangements can be made on an individual basis to accommodate the student. Students are also expected to work outside in the elements and be prepared to do so.

Metals Fabrication 110

(Course Fee \$40.00)

This course is concerned with the processes used to cut, form and fasten metal. Emphasis is placed on the development of basic skills needed to use electric-arc and oxyacetylene welding and cutting processes. Machines and processes used to lay out, cut and form sheet metal are also introduced. This course will appeal to students interested in entering occupations in metal working, mechanical technology, mechanical service and primary resource industries. **Warning - *Electromagnetic fields and high frequency voltages generated by the various types of welding equipment can cause interference with cardiac pacemakers or other implanted electro medical devices. Talk with welding teacher for any further questions or concerns.***

Metals Fabrication 120

(Course Fee \$40.00)

This course is intended to continue development of skills in the SMAW, GMAW, OFG and PAC welding and cutting processes, with the GTAW process being introduced. The students will be



introduced to advanced welding positions and has a capstone project. This course will appeal to students interested in entering occupations in metal working, mechanical technology, mechanical service and primary resource industries. **Warning** - *Electromagnetic fields and high frequency voltages generated by the various types of welding equipment can cause interference with cardiac pacemakers or other implanted electro medical devices. Talk with welding teacher for any further questions or concerns.*

Metals Processing 110

(Course Fee \$20.00)

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

Metals Processing 120

(Course Fee \$20.00)

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

Prerequisite: Metals Processing 110

Mill and Cabinet Work 120

(Course Fee \$30.00)

This is a woodworking course in which students will develop the necessary skills, knowledge, and work habits required construct cabinets and other miscellaneous millwork typically found in residential dwellings. Students, through a series of projects, will be involved with all aspects of mill work including planning, measuring, estimating, operation of woodworking equipment and machines and finish operations. The course is taught using both theory and practical work and each are allocated approximately the same amount of class time. This course will be of benefit to those students interested in entering the construction or woodworking occupations as well as those with a general interest in woodworking. Required Lab Fee in the amount of \$30.

Residential Finish and Insulation 120

This course examines the work required to finish a family dwelling once it has been framed. Each of the following topics covered in the course emphasize safety. Topics include insulation, interior wall cladding, crack filling, door, window and trim installation as well as painting. Students will study these topics both in theory and through project work and each are allocated approximately the same amount of class time. This course should be of interest and value to those students interested in pursuing a career related to the construction industry. Students are required to have a pair of CSA certified steel toed work boots. If this is not feasible, arrangements can be made on an individual basis to accommodate the student. Students are also expected to work outside in the elements and be prepared to do so. **Prerequisite: Framing & Sheathing 110**

HVHS LOCAL OPTION COURSES

Contact: Appropriate SPR

Engineering Technology 110 (1 credits)

(Contact: Technology SPR)

This course will be of interest to any students interested in pursuing a career in the engineering field [Professional or Engineering Technologist]. The course consists of a two-period block. Approximately half the time will be spent on Computer Aided Design [common to all engineering programs] and the



other half will be spent exploring topics related to engineering. Topics will include: types of Engineering, types of work done, entrance requirements, job demographics, guest speakers from mature and recent graduates, and research projects.

FI Techniques de Communication 120 (Conversational French) (Contact: French SPR)

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

Prerequisite: French 11 credit course

Forensic Science 120 (Introduction) (Contact: Science SPR)

This course has been designed as an introduction to the scientific principles and techniques behind the work of forensic scientists. Students will be required to apply scientific skills from a variety of disciplines (biology, geology, chemistry, and physics) to specific crime scene scenarios. This will require collaboration, problem solving skills and the development of strong communication skills. Students will also explore advancements in technologies such as DNA fingerprinting, blood spatter analysis, blood typing, and bone fragment analysis. **Prerequisite: Science credit**

Human Anatomy 120 (Contact: Science SPR)

This course will explore beyond the basics of the systems of the human body (Bio 11 & 12) and delve into the medical aspects associated with each. It will explore the design of the human body in substantial detail. This course will provide an introduction to educational content associated with pre medicine, the health sciences, and even animal sciences. **Prerequisite: Biology 111 or 112**

Leadership 120 (Contact: Humanities SPR)

This is an elective course intended for students who desire to improve their leadership skills. The course is designed to enhance students' abilities to lead proactive and productive lives by reinforcing principles of teamwork, citizenship and leadership. Leadership 120 is both a theoretical and practical course. The practical component will involve planning, organizing and facilitating our annual Relay for Life school-wide event and completing volunteer hours at various organizations. No prerequisite is required but an application with teacher recommendations is necessary.

Marine Biology 120 (Contact: Science SPR)

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

Photography 120 (Course Fee - \$10.00) (Contact: Humanities SPR)

This course is designed to serve as an introductory to digital photography. In this course, students will learn about the function and capabilities of dslr cameras, photography techniques and styles, as well as editing and post processing techniques using adobe Photoshop. In addition to this, students will learn about the history of photography focusing on famous photographers and their influences on society. Emphasis will be placed on artistic expression as well as photo and editing techniques.



Popular Music 120

(Contact: Humanities SPR)

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

Psychology 120

(Contact: Humanities SPR)

This introductory course will offer students an engaging look at the science of psychology. Psychology is the scientific study of behavior and mental processes. We will explore a variety of topics including the history of psychology, important thinkers, the brain structure, the conscious experience and more.

Prerequisite: AP Psychology.

Writing 120

(Contact: English SPR)

Writing is 10% inspiration and 90% perspiration." – Thomas Edison

Take your writing to the next level with this intense writing course. You've participated in NaNoWriMo, now what? You have pages and pages of unedited poetry and short fiction and now you wonder how to make it better? You're interested in getting published? Writing 120 is a workshop course that encourages you to share your work with others and polish it until it gleams. **Prerequisite Writing 110**

Yoga 110

(Contact: Athletics SPR)

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

Young Adult Literature 120

(Contact: English SPR)

Do you LOVE to read? YAL is dedicated to bringing the joy back to reading. This course will appeal to avid readers who enjoy introspective writing and lively discussion. We will take a look at some of the most popular genres in YA literature: dystopian, realistic, supernatural, novels written in verse etc. But mostly we read for FUN!

Alternative Options

Contact Guidance

Graduation Requirements

- Students may take up to two Challenge for Credit courses and one Independent Study for graduation purposes.
- Students may, in special circumstances, wish to pursue to Distance Education Courses in order to obtain specific courses for post-secondary education.

Independent Study

- Independent study may include;
 - A prescribed course in the province of New Brunswick as listed in the most current version of the High School Program of Studies.
 - A Topic or Theme that extends the curriculum of a prescribed course (submit school-approved proposed courses to the department of education for review and coding).
 - A topic or theme chosen by the students including work that combined a number of disciplines.
- Further details can be found on the Department of Education Website
- Interested Students should contact Guidance

Challenge for Credit

- Challenge for Credit is an opportunity to have prior learning recognized and acknowledged through the granting of a credit(s). The opportunity to the challenge is consistent with a view of schooling that promotes and validates learning that takes place in a variety of circumstances including outside of school.
- Available to: Any student currently enrolled in a New Brunswick high school, students who, outside school, have met all the learning, process, interpersonal, participation objectives or outcomes/ requirements of a course.
- Available in: Any prescribed course in the New Brunswick public high school system in grades 11 and 12. Prescribed courses are listed in the most current version of the High School Program of Studies.
- Students apply in writing (with parent's signature) to the principal prior to/ or within two weeks of the beginning of a semester/year.

Distance Education

The province offers expanded learning opportunities to all students by allowing optional and/or advance level courses, which, because of illness or school scheduling, might not otherwise be available. In such an approach, distance facilitators use online course chat rooms, discussion boards, email and videoconferencing to engage students in the learning process as well as to answer specific queries students may have. A list of these courses and descriptions may be found by logging on to <http://www.gnb.ca/0000/as/dl-e.asp>.

Students who wish to take an on-line course must be in their graduating year, be interviewed by guidance and have permission of administration. Students will only be allowed to register for 2 credits per semester and historical grades must demonstrate strong academic ability. Students must also have access to a computer and the internet outside of school hours. They must also be able to learn independently, have good reading comprehension and writing skills, be able and willing to commit 10 hours a week to complete the course and be computer literate before starting the course.



COOPERATIVE EDUCATION APPLICATION PROCESS

Cooperative Education 120 is a course in which selected high school students combine studies at school with a work placement in the community. Students learn through participation in the day-to-day operation of an organization. Learning and experience are combined in an educationally beneficial way.

Students must register to take Cooperative Education and **should be aware that there is a selection process as outlined below:**

1. Students must attend a Cooperative Education Information Session prior to course selection.
Date TBA
2. Students **must** access the on-line career planning website 'Blue Print' and:
 - Complete Career Matchmaker(all 116 questions) in Assessments Section and save to Portfolio
 - Research 2 career matches from Matchmaker results (students' choice); if the career area they hope to pursue for Co-op. is not listed, they may substitute for one of interest.
3. Print out the list of top career matches and the research results, which should include the Job Description, Education Required, and Related Careers.
4. Once students have completed Blue Print and returned the information to the Co-op they will then receive a package of forms to be filled out and completed by the course selection deadline date in order to be enrolled for Cooperative Education, including:
 - Cooperative Education Application (signed by parent/guardian)
 - 2 Subject Teacher References
 - Homeroom Teacher Reference
(The Teacher reference forms are confidential and will be returned to the Homeroom teacher by the signing teachers.)
5. Once completed, returned the forms to your homeroom teachers. You will then be individually interviewed to determine your suitability for Cooperative Education.
6. Selection of the students is the responsibility of the Co-op. teacher based on:
 - Three A's – Attendance, Aptitude, Attitude
 - Review of references and placement request
 - Completion of Career Cruising with supporting documentation



Physical Education Department

Outdoor Pursuits 110 Application Form

Name: _____ Grade: _____

Outdoor Pursuits is a course for students in grade 11 or 12 with a special interest in outdoor physical activity, healthy living and have a respect for the environment and ecology of the land. This course provides opportunities for students to explore various outdoor adventure activities such as camping, kayaking, canoeing, backpacking, hiking, cross-country skiing, downhill skiing, snowshoeing and rock climbing. From these experiences students will gain a greater insight, appreciation, concern and knowledge about the outdoor environment and the opportunities that it holds for educational, recreational and economic benefit.

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

To complete this course additional outside of school hours are required also several out trips will be during school time, therefore students must have a good academic standing in order to allow for missed time.

Academic Average (Approx.): 60 – 69 70 – 79 80 – 80 90 – 100

Are you failing any courses this year? Yes No

If yes, what courses are you failing? _____

Can you swim? _____ What level are you presently at? _____

Do you have first-aid certification? _____ If so, what level? _____

Do you smoke? _____

Are there any medical conditions which will limit your performance in Outdoor Pursuits?

Yes No. If yes, please indicate what they are:

Have you had any experience in outdoor living (hiking, backpacking, canoeing, etc.)? Yes No If yes, please give a brief description of that experience.

Your application form (signed by a parent) and two student reference forms submitted by teachers must be received by announced deadline. Once application forms are completed please submit to your homeroom teacher.

There is a course fee of **\$125.00** to cover costs of out trips, equipment and supplies needed to run the course.

Parent/guardian signature



Outdoor Pursuits 110

Subject Teacher Reference Form

(Must have 2 Teachers complete this form)

The following student has applied for admission to Outdoor Pursuits110 course. Thank you for giving this reference your careful consideration, as your input is vital to the selection process.

THIS IS A CONFIDENTIAL REFERENCE

Student Name: _____

Teacher: _____

Subject(s) Taught: _____

Please rate the above-mentioned student on each of the following:

	UNACCEPTABLE	AVERAGE	ABOVE AVERAGE
Ability to follow directions			
Ability to work in a group			
Ability to learn			
Acceptance of criticism			
Attendance			
Communication skills: oral			
Communication skills: written			
Co-cooperativeness			
Reliability			
Initiative			
Leadership potential			
Completes assignments on time			
Punctuality			

Could this student be counted on to favorably represent the school in a field trip setting? Y N

This course requires that the student occasionally miss time for field trips. Can they be counted on to catch up on work missed? Y N

Please use this space for any additional comments that you feel may prove helpful in assessing this student's suitability for the course.

Teacher signature: _____

Date: _____

Please return to homeroom teacher: _____



HVHS Planning Record

Grade 9	
English 9 <input type="checkbox"/> Math 9A <input type="checkbox"/> Math 9B <input type="checkbox"/> Science 9 <input type="checkbox"/> Social Studies 9 <input type="checkbox"/> FI LA 9 or French 9 <input type="checkbox"/>	Specialties: PDCP 9 <input type="checkbox"/> HPE 9 <input type="checkbox"/> Music 9 <input type="checkbox"/> V.A 9 <input type="checkbox"/>
Grade 10	
English 10 <input type="checkbox"/> Math 10 (Geometry, Measurement & Finance) <input type="checkbox"/> Math 10 (Number, Relations & Function) <input type="checkbox"/> Science 10 <input type="checkbox"/> Social Studies 10 <input type="checkbox"/>	FI LA 10 or French 10 <input type="checkbox"/> Specialties: BBT 10 <input type="checkbox"/> HPE 10 <input type="checkbox"/> Music 10 <input type="checkbox"/> Personal Dev. 10 <input type="checkbox"/> V.A 10 <input type="checkbox"/>

Grade 11 & 12:

17 required credits to Graduation (1- 7 are compulsory graduation requirements).

COMPULSORY

1	<input type="checkbox"/>	English 11 __ (2 credits)	
2	<input type="checkbox"/>		
	<input type="checkbox"/>	Math 11 (Financial & Workplace or Foundations)	
4	<input type="checkbox"/>	Modern History 11 or AP Sem/World Issues	
5	<input type="checkbox"/>	English 12 __	
6	<input type="checkbox"/>	_____ (Science) <small>See reverse for list of courses</small>	
7	<input type="checkbox"/>	_____ (Life Role/Personal Dev.) <small>See reverse for list of courses</small>	
Circle LO (right column) if course is a Local Option			
<small>Only TWO Local Options used in the first 17 credits</small>			
8	<input type="checkbox"/>		LO
9	<input type="checkbox"/>		LO
10	<input type="checkbox"/>		LO
11	<input type="checkbox"/>		LO
12	<input type="checkbox"/>		LO
13	<input type="checkbox"/>		LO
14	<input type="checkbox"/>		LO
15	<input type="checkbox"/>		LO
16	<input type="checkbox"/>		LO
17	<input type="checkbox"/>		LO
18	<input type="checkbox"/>		
19	<input type="checkbox"/>		
20	<input type="checkbox"/>		
21	<input type="checkbox"/>		
22	<input type="checkbox"/>		

Other Graduation Requirements:

- Successful completion of English Assessment or Re-Assessment
- 5 credits at Grade 12
- Computer Literacy Requirement

Additional Support Services

Education Support Services - Guidance

Ms. Cynthia Smith (CYNTHIAANNE.SMITH@nbed.nb.ca)

Ms. Elizabeth Taylor (elizabeth.taylor@nbed.nb.ca)

for advice and guidance for course selections.

Education Support Services SPR - Resource See Mrs. S. Moran

(sonya.moran@nbed.nb.ca) for guidance on inclusive

practices, modified and accommodated curriculum.

Department Heads (SPRs) - See any of the subject specialist SPRs for guidance on course levels and difficulty.

Athletic SPR – Jim Palmer (james.palmer@nbed.nb.ca)

English SPR – Nancy Lyon (nancy.lyon@nbed.nb.ca)

French/Technology SPR – Troy Sprague-Hay (troy.sprague-hay@nbed.nb.ca)

Humanities SPR – Jane Tunney (jane.tunney@nbed.nb.ca)

Math SPR – Jennifer Brown (jenniferA.brown@nbed.nb.ca)

Science SPR – Kerri Titus (kerri.titus@nbed.nb.ca)

**Harbour View High School
Grade 10 Registration Form
2020 – 2021**

Student: _____
(Last Name) (First Name) (Middle Initial)

Student Signature: _____

Parents Signature: _____

Homeroom Teacher: _____

Students must select five courses for each semester. Please read directions at the beginning of each section carefully. Check your selected courses in the column provided. French Immersion (FI) students must select courses shaded in grey.

REACH BACK FOR GRADE 9

If you have not successfully completed the any of the following COMPULSORY courses in grade 9, please select as necessary

✓	
	English 9
	Math 9 A
	Math 9 B
	Science 9
	Social Studies 9

SCIENCE

If you were not successful in this course in grade 9, you must select this requirement for any grade 11 science credit course.

	FI Science 10
	Science 10

ENGLISH

Student must take a full year of grade 10 English. Students considering Advanced Placement English and who have a minimum of 80% in grade nine English should check the box to indicate a desire to pursue Enriched English.

English 9 - _____%

	English 10
	Enriched English (Prerequisite: 80% in English 9)

MATHEMATICS

Students on the AP (Advanced Placement) track with a mark of 80% or higher in Math 9 should select the combined GMF/NRF and choose Foundation 110 in the credits course selection. All other students must take GMF 10 and 1 other math credit listed under the credit course section.

Math 9 - _____%

	AP Track - FI GMF / NRF (Prerequisite: 80% in Math 9)	1 credit
	AP Track - GMF / NRF (Prerequisite: 80% in Math 9)	1 credit
	FI GMF 10 (Geometry, Measurement & Finance)	
	GMF 10 (Geometry, Measurement & Finance)	

SOCIAL STUDIES 10

All students are required to take Social Studies 10.

	Social Studies 10
	FI Social Studies 10

FRENCH

All students except those who are officially exempt from French must complete French 10. Students exempted from French should choose a third specialty course. Please indicate if you're an early or late immersion student.

	Post Intensive French 10
	FI (Early) Language Arts 10
	FI (Late) Language Arts 10

SPECIALTIES

Students choose up to two other specialties. Specialties in grade ten are considered prerequisites for credit courses in some subject areas. Do NOT choose more than 1 specialty in the same subject. Rank in order of preference. Choose three; 1 indicating your first choice, 2 indicating your second choice, and 3 as your alternate.

	BB Tech 10
	Health & Physical Education 10
	HPE 10 – Basketball Academy
	Instrumental Music 10 (2 nd year – Prereq: Inst. Music 9)
	Music 10 (General)
	Visual Arts 10

CREDIT COURSES

Students are required to select **four** of the following credit courses. Please select the four courses; 1 indicating first choice, 2 indicating second choice, 3 indicating 3rd choice and 4 to indicate the course to serve as an alternate.

Science 10 - _____%

	AP Seminar/World Issues 120	2 credit
	Biology 111 (Prerequisite: 75% in Science 10)	1 credit
	Biology 121 (Prerequisite: Biology 111)	1 credit
	Biology 112 (Prerequisite: Science 10)	1 credit
	Biology 122 (Prerequisite: Biology 111 or 112)	1 credit
	Chemistry 111 (Prerequisite: 75% in Science 10)	1 credit
	Chemistry 112 (Prerequisite: Science 10)	1 credit
	FI Biology 111 (Prerequisite: 75% in FI Science 10)	1 credit
	FI Biology 112 (Prerequisite: FI Science 10)	1 credit
	FI Foundation of Math 110 (Prerequisite: FI NRF)	1 credit
	FI NRF (Numbers, Relations & Functions)	1 credit
	Financial Workplace Math 110 (Prerequisite: GMF)	1 credit
	Foundation of Math 110 (Prerequisite: NRF)	1 credit
	Human Physiology 110 (Prerequisite: Science 10)	1 credit
	Introduction Applied Technology 110 (Fee \$10.00)	1 credit
	NRF (Numbers, Relations & Functions)	1 credit
	Physical Geography 110	1 credit
	Physics 111 (Prerequisite: Science 10/GMF/NRF)	1 credit
	Physics 112 (Prerequisite: Science 10/GMF/NRF)	1 credit
	Writing 110	1 credit
	Young Adult Literature 120	1 credit

VP/Guidance Signature: _____

Date: _____

Specialty Course Descriptions

BB Tech 10 This course is designed to serve as an introduction to the various technology courses offered at Harbour View High School. Each unit of study in BBT 10 will give students the opportunity to explore the nature of the technology and make an informed decision about whether this is an area they wish to pursue when selecting grade 11 and 12 credits.

HPE 10 This course provides students with the opportunity to acquire knowledge about the relationships between their own personal health and physical activity. It will introduce students to a number of recreational activities, many of which they may pursue beyond their high school years. While the course is concerned with the acquisition of knowledge and skill, an essential goal is the development of positive self-esteem and active participation in physical activities. The course emphasizes “fitness for life.”

HPE 10 – Basketball Academy This course will cover the outcomes required for HPE 10 but with basketball specific elements. Training will focus on improving individual skills such as shooting, ball handling, passing and one on one moves. Defensive and offensive team tactics will also be taught, but the emphasis will be on the individual skills required to perform at game speed. Physical fitness training will also be included and will emphasize how to train in season with students following their own plans to improve flexibility, strength, aerobic and anaerobic capacity.

(Instrumental) Music Grade 10 (2nd year) This performance-based course continues the Grade 9 Instrumental music program. Students will continue ensemble playing through a broad repertoire and basic music theory. **Prerequisite: (Instrumental) Music 9**

Visual Art 10 This course builds on the skills previously learned in grade 9 Visual Arts. Students will develop skills in shading, colour theory, pattern and design. Students will also create a sculpture using ground paper. The sketchbook is an integral part of this course. This course is required for grades 11 and 12 Graphic and Visual Arts.

Credit Course Descriptions

AP Seminar/World Issues

AP Seminar/World Issues is a year-long 2 credit courses where students learn to conduct independent research involving advanced texts and media, synthesize information from multiple perspectives, and argue their point of view through written essays and team-based oral presentations. In the process, students engage with complex ideas and events shaping the world today. They learn about the unity and diversity of human experience; the interdependent systems that link humans to each other and the natural world, and the geopolitical tensions arising from competing rights and responsibilities on the local, national, and world stages. Ultimately, the course aims to empower students with the ability to evaluate information with accuracy and communicate evidence-based arguments.

Prerequisite: English 9 – 85% or Teacher’s recommendation

Biology 11 (also FI)

This course is geared for students who would like to pursue their interest in biology. In Biology 11, students study the cell as the basic unit of life and the diversity of organisms that make up World’s ecosystems. Students will also study some of the body systems that allow multicellular organisms to maintain equilibrium as they interact with the outside environment. There is a significant lab component to this course with several dissections. Level 1 students will cover additional curriculum outcomes. **Prerequisite: Science 10**

Biology 12

In Biology 12, students begin to focus on Biology at a molecular level. Students will study how organisms grow and pass along characteristics to future generations, and then how these impacts at the species and population level. They also pick up from grade 11 with the study of more systems that allow multicellular organisms to maintain equilibrium internally and with their environment. In both bio 11 and bio 12 students investigate the impact of biology and technology on society and the impact of human activities on the natural world. Level 1 students will cover additional curriculum outcomes. **Prerequisite: Biology 11**

Chemistry 11

Topics in this course include classification of matter, an introduction to atomic theories, naming elements and compounds, chemical reactions, solutions, stoichiometry and chemical bonding. Chemistry 111 moves at an accelerated pace and involve less repetition and practice than for Chemistry 112. This should free up time, which should then be used to enrich the course with more complex and challenging problems, and extensions of topics and activities.

Prerequisite: Science 10

Financial Workplace Math 110

This course is designed for entry into post-secondary trades and technical programs, or for direct entry into the work force. Concepts of right triangles, trigonometry, and angles of elevation and depression are applied to contextual problems. Scale models and drawings of 2-D and 3-D objects are constructed from various views and perspectives. Students are challenged to solve problems that involve numerical reasoning. Costs and benefits of renting, leasing and buying are explored, investment portfolios analyzed, and personal budgets developed. Students manipulate and apply formulas in a variety of ways and solve problems using proportional reasoning and unit analysis. **Prerequisite: GMF 10 (Also FI)**

Foundations of Mathematics 110 (Also FI)

The Foundations of Mathematics 110 course is designed for students continuing on to university programs. **Prerequisite: NRF (Also FI)**

Human Physiology 110

The goal of this course is to build an understanding of the physiology of the human body as a complex dynamic organism that is self-contained but impacted by and responsive to the outside world. Throughout the course students will build their scientific literacy skills as they learn to navigate the information provided on human health and human body systems. By the end of this course, students will have developed a holistic personal wellness plan, demonstrating their understanding of overall health, human physiology, and the effect of disease and lifestyle choices

Introduction to Applied Technology 110 (Course Fee \$10.00)

This course is designed to introduce students to a variety of careers in trades, providing 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 skills will be reinforced. Student creativity and life skill development in the design, construction, repair, and maintenance unit modules reinforce situations that are found in industry.

Numbers, Relations & Functions (Also FI)

This course is the first course on the academic pathway and is the prerequisite for Foundations 110. This course gives students the basic principles in prime and polynomial factoring, radicals and rational exponents, exponent laws, including negative exponents, linear relations and systems of linear equations and the examination of relations and functions, including their similarities and differences along with function notation.

Physical Geography 110

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

Physics 11

This is a course which will be valuable for students interested in medical, engineering, technician, electrical and construction careers, as well as those who are curious about the world around them. The course covers the areas of waves (light and sound), motion, forces, work and energy. There is a strong practical component drawing on experimental and problem-solving skills. Level 1 students will cover additional curriculum outcomes.

Prerequisite: Grade 10 Science and GMF 10 / NRF 10

Writing 110

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

Young Adult Literature 120

Do you LOVE to read? YAL is dedicated to bringing the joy back to reading. This course will appeal to avid readers who enjoy introspective writing and lively discussion. We will take a look at some of the most popular genres in YA literature: dystopian, realistic, supernatural, novels written in verse etc. But mostly we read for FUN!

**Harbour View High School
Grade 11 Registration Form
2020 – 2021**

Student: _____
(Last Name) (First Name) (Middle Initial)

Student Signature: _____

Parents Signature: _____

Homeroom Teacher: _____

Students must select 10 credits. Credit values are given in the column to the right of each course name. Please read directions at the beginning of each section with care. Check your selected credits/courses in the column provided.

Students must select two additional courses to be used as the alternates should one of the original 10 selections not be possible. Indicate the courses to serve as your alternates by writing ALT in the check-box next to this course.

The total number of course selected should be 12 including the 2 alternates.

REACH BACK FOR GRADE 10

✓	Course	
	English 10	
	GMF 10 or FI GMF 10	
	Post Intensive French 10 or FI LA 10	
	Social Studies 10 or FI Social Studies 10	

LANGUAGES

Students must pass a full year grade 11 English and one-semester grade 12 English to graduate.

Students preparing for AP English in grade twelve should select English 111 provided they have achieved a mark of 85% or higher in English 10.

ENGLISH 10 - _____%

✓	Course	Credits
	English 111 / AP English Language	3
	English 111	2
	English 112	2
	English 113	2

MATHEMATICS

Students must pass GMF 10 plus 2 more math credit courses or 3 math credits courses to meet graduation requirements.

GMF 10 - _____% NRF 10 - _____%

FI Foundation of Mathematic 110 (Prerequisite: FI NRF)	1
FI NRF (Numbers, Relations & Functions)	1
FI Pre-Calculus 110 (Prerequisite: Foundations of Math 110)	1
Financial & Workplace Mathematics 110(Prereq.: GMF)	1
Foundations of Mathematics 110 (Prerequisite: GMF & NRF)	1
Foundation of Math 120 (Prerequisite: Foundations 110)	1
NBCC Skill Trade Work Ready Math 120 (Prereq: Math 11)	1
NRF (Numbers, Relations & Function)	1
Pre-Calculus 110 (Prerequisite: Foundations of Math 110)	1
Pre-Calculus A 120 (Prerequisite: Pre-Calculus 110)	1
Pre-Calculus B 120 (Prerequisite: Pre-Cal A 120)	1

HISTORY

All students must pass Modern History or AP Seminar/World Issues in order to graduate. Students preparing for AP European History should take History 111.

SOCIAL STUDIES 10 - _____%

AP Seminar / World Issues (Prerequisite: 85% in English)	2
FI Modern History 112	1
Modern History 111	1
Modern History 112	1
Modern History 113	1

LIFE ROLE/PERSONAL DEVELOPMENT

Students must earn one credit from this grouping for graduation. Students may choose additional courses from this group if they wish.

Co-op 120 – morning (Application Required)	3
Co-op 120 – afternoon (I.D.E.A center)	2
Co-op 120 (Mentorship Virtual) (Online)	1
Culinary Technology 110 (\$10.00 fee)	1
Entrepreneurship 110	1
FI Individual & Family Dynamics 120	1
Individual & Family Dynamics 120	1
Music 111 (Instrumental Music)	1
Nutrition for Healthy Living 120	1
Outdoor Pursuits 110 (Application Required, \$125.00 fee)	1
PE Leadership 120	1
Theatre/Dramatic Arts 120	1
Visual Arts 110	1
Visual Arts 120 (Prerequisite: Visual Art 110)	1
Wellness Through Physical Education 110	1

SCIENCE

All students must earn one Science credit to graduate. Students are encouraged to take additional science courses – especially those who are thinking of attending college or university programs related to Science, Engineering, or Health Sciences. We encourage students to take extra courses from this group.

SCIENCE 10 - _____%

Advanced Environmental Science 120	1
AP Biology (Prerequisite: Biology 121)	1
AP Chemistry (Prerequisite: Chemistry 121)	
AP Research (Prerequisite: AP Seminar)	1
Biology 111	1
Biology 112	1
Biology 121 (Prerequisite: Biology 111)	1
Biology 122 (Prerequisite: Biology 112)	1
Chemistry 111	1
Chemistry 112	1
Chemistry 121 (Prerequisite: Chemistry 111)	1
Chemistry 122 (Prerequisite: Chemistry 111/112)	1
FI Biology 111	1
FI Biology 112	1
Human Physiology 110 (Biology 113)	1
Introduction Environmental Science 120	1
Physical Geography 110	1
Physics 111	1
Physics 112	1
Physics 121 (Prerequisite: Physics 111)	1
Physics 122 (Prerequisite: Physics 111/112)	1

FRENCH IMMERSION

French Immersion students must complete FI Language Arts 110 in grade 11 and FI Language Arts 120 during grade 12. Please indicate if you were an **Early or Late** Immersion student by checking correct box.

French Immersion students must complete **five FI credit courses to graduate with their FI Certificate.**

FI (Early) Language Arts 110 (Compulsory)	1
FI (Late) Language Arts 110 (Compulsory)	1

ELECTIVE COURSES

Students need a total of 17 credits to graduate. Compulsory courses for grade 11 were described on the front of this registration form. The additional credits may come from any of the categories previously listed or from the elective courses on this side of the form.

BUSINESS

Accounting 120	1
Business Organization and Management 120	1
Co-op 120 (I.D.E.A) (afternoon only)	2

ENGLISH ELECTIVE COURSES

Canadian Literature 120	1
English 110 (EAL students only)	1
Journalism 120	1
Media Studies 120	1
Reading Tutor 120	1
Writing 110	1

FRENCH

FI Individual & Family Dynamics 120	1
FI World Issues 120	1
Post Intensive French 110	1
Post Intensive French 120 (Prerequisite: FI French 110)	1

TECHNOLOGY

Information Technology 120, Hospitality & Tourism, and BBT 10 outcomes satisfy the Computer Literacy requirements however through other course work a student may demonstrate Computer Literacy skills to meet Provincial Guidelines. Students may choose additional courses from this group if they wish.

Computer Aided Design 110	1
Computer Science 110	1
Computer Science 120	1
Cybersecurity 120	1
Digital Production 120	1
Information Technology 120	1
Robotics & Automated Technology 120	1

APPLIED TECHNOLOGY

Culinary Tech 110 (Course fee \$10.00)	1
Culinary Tech 120 (Prereq.: Culinary Tech 110) (Fee \$10.)	1
Culinary Tech 110/120(2 periods in one semester)(Fee \$20)	2
Framing & Sheathing 110	1
Introduction to Electronics 110	1
Metal Fabrication 110 (Welding)(Course Fee \$40.00)	1
Personal Interest Course (Advanced Welding 120) (Fee \$40)	1
Metals Processing 110 (Course Fee \$20.00)	1
Metals Processing 120 (Prerequisite: Metals 110) (Fee \$20.00)	1
Mill & Cabinet 120 (Course Fee \$30.00)	1
Residential Finish & Insulation 120 (Prereq.: Fram. & Sheath)	1

SOCIAL SCIENCES

AP European Hist 120 (Prereq.: 85% in Mod. Hist. 111)	1
AP Psychology 120 (Prerequisite: Psychology 120)	1
Canadian Geography 120	1
Child Studies 120	1
Economics 120	1
Hospitality and Tourism 110 (Computer based)	1
Law 120	1
Native Studies 120	1
Nutrition for Healthy Living 120	1
Political Science 120	1
Sociology 120	1
World Issues 120 (Prerequisite: Mod History 111/112)	1
FI World Issues 120	1

COURSES UNIQUE TO HARBOUR VIEW

Please bear in mind that only **two** locally developed course found in this section may count towards graduation requirements (within the 17 credits required to graduate) and that it may not replace a compulsory course.

Engineering Technology 110	1
Forensic Science 120 (Prerequisite: Science Credit)	1
Human Anatomy 120 (Prerequisite: Biology 112/111)	1
Mandarin 120 (Chinese Language)	1
Marine Biology 120 (Prerequisite: Biology 112/111)	1
Photography 120 (Course fee: \$10.00)	1
Popular Music 120 (History of Rock and Roll)	1
Psychology 120 (Introduction)	1
Writing 120 (Prerequisite: Writing 110)	1
Yoga 110	1
Young Adult Literature 120	1

NOTES

- Students must have a minimum of 85% in prerequisite courses to take level one or AP.
- To upgrade to level two English or Math a student must complete level three with a minimum of 75%.
- Requirements for graduation may not meet the entrance requirements for university or college. Students should see a guidance counselor regarding requirements for specific programs before completing this form.

GRADUATION REQUIREMENTS

- Modern History 11 or AP Seminar/World Issues
- English 11
- English 12
- Math 11 (Foundation of Math 11 or Financial and Workplace)
- One Science credit
- One Life Role/Personal Development credit
- Computer Literacy
- Five grade 12 credits
- 17 credits in total

List courses in order of preference:

1)
2)
3)
4)
5)
6)
7)
8)
9)
10)
Alt
Alt

VP/Guidance Signature: _____

Date: _____

**Harbour View High School
Grade 12 Registration Form
2020 – 2021**

Student: _____
(Last Name) (First Name) (Middle Initial)

Phone: _____

Student Signature: _____

Parents Signature: _____

Homeroom Teacher: _____

Students must select 10 credits. Credit values are given in the column to the right of each course name. Please read directions at the beginning of each section with care. Check your selected credits/courses in the column provided.

Students must select two additional courses to be used as the alternates should one of the original 10 selections not be possible. Indicate the courses to serve as your alternates by writing ALT in the check-box next to this course. The total number of course selected should be 12 including the 2 alternates.

MATH REACH BACK

✓	Course	Credit
	GMF 10 or FI GMF 10	
	NRF 10 or FI NRF 10	1

LANGUAGES

Students must pass a full year grade 11 English and one-semester grade 12 English to graduate. Students preparing for AP English in grade twelve should select English 121 provided they have achieved a mark of 85% or higher in English 111.

✓	Course	Credits
	AP English Literature (Prerequisite: English 121)	1
	English 111	2
	English 112	2
	English 113	2
	English 121 (Prerequisite: English 111)	1
	English 122 (Prerequisite: English 111/112)	1
	English 123 (Prerequisite: English 112/113)	1

MATHEMATICS Students must pass GMF plus 2 more math credit courses or 3 math credits courses to meet graduation requirements.

	AP Calculus 120 (Prerequisite : 90% in Calculus120)	1
	Calculus 120 (Prerequisite: 80% in Pre-Cal B 120)	1
	FI Foundation of Mathematic 110 (Prereq.: GMF & NRF)	1
	FI Pre-Calculus 110 (Prerequisite: Foundations of Math 110)	1
	Financial & Workplace Mathematics 110 (Prereq.: GMF)	1
	Foundations of Mathematics 110 (Prereq.: GMF & NRF)	1
	Foundation of Math 120 (Prereq.: Foundations 110)	1
	NBCC Skill Trade Work Ready Math 120 (Prereq: Math 11)	1
	Pre-Calculus 110 (Prerequisite: Foundations of Math 110)	1
	Pre-Calculus A 120 (Prerequisite: Pre-Calculus 110)	1
	Pre-Calculus B 120 (Prerequisite Pre- Cal. A 120)	1

HISTORY All students must pass Modern History or AP Seminar/World Issues in order to graduate. Students preparing for AP European History should take History 111.

	AP European History 120 (Prereq: 85% in Mod. Hist. 111)	1
	AP Seminar / World Issues (Prerequisite: 85% in English)	2
	Canadian History 121 (Prerequisite: Mod. History 111)	1
	Canadian History 122 (Prerequisite: Mod. History 111/112)	1
	FI Modern History 112	1
	Modern History 111	1
	Modern History 112	1
	Modern History 113	1

LIFE ROLE/PERSONAL DEVELOPMENT

Students must earn one credit from this grouping for graduation. Students may choose additional courses from this group if they wish.

	Co-op 120 – morning (Application Required)	3
	Co-op 120 – afternoon (I. D. E. A)	2
	Co-op 120 (Mentorship Virtual) (Online)	1
	Culinary Technology 110 (\$10.00 fee)	1
	Entrepreneurship 110	1
	FI Individual & Family Dynamics 120	1
	Individual & Family Dynamics 120	1
	Music 111 (Instrumental Music)	1
	Music 122 (Instrumental Music)	1
	Nutrition for Healthy Living 120	1
	Outdoor Pursuits 110 (Application Required, \$125.00 fee)	1
	PE Leadership 120	1
	Theatre/Dramatic Arts 120	1
	Visual Arts 110	1
	Visual Arts 120 (Prerequisite: Visual Art 110)	1
	Wellness Through Physical Education 110	1

SCIENCE

All students must earn one Science credit to graduate. Students are encouraged to take additional science courses – especially those who are thinking of attending college or university programs related to Science, Engineering, or Health Sciences. We encourage students to take extra courses from this group.

	Advanced Environmental Science 120	1
	AP Biology (Prerequisite: Biology 121)	1
	AP Chemistry (Prerequisite: Chemistry 121)	1
	AP Environmental Science	1
	AP Physics (Prerequisite: Physics 121)	1
	AP Research (Prerequisite: AP Seminar)	1
	Biology 111	1
	Biology 112	1
	Biology 121 (Prerequisite: Biology 111)	1
	Biology 122 (Prerequisite: Biology 112)	1
	Chemistry 111	1
	Chemistry 112	1
	Chemistry 121 (Prerequisite: Chemistry 111)	1
	Chemistry 122 (Prerequisite: Chemistry 111/112)	1
	FI Biology 111	1
	FI Biology 112	1
	Human Physiology 110	1
	Introduction Environmental Science 120	1
	Physical Geography 110	1
	Physics 111	1
	Physics 112	1
	Physics 121 (Prerequisite: Physics 111)	1
	Physics 122 (Prerequisite Physics 111/112)	1
	Science 122	1

FRENCH IMMERSION

French Immersion students must complete **FI Language Arts 110 in grade 11 and FI Language Arts 120 during grade 12.** . Please indicate if you were an Early or Late Immersion student by checking correct box.

French Immersion students must complete **five FI credit courses to graduate with their FI Certificate.**

	FI (Early) Language Arts 110 (Compulsory)	1
	FI (Late) Language Arts 110 (Compulsory)	1
	FI (Early) Language Arts 120 (Prerequisite: FI Language Arts 110)	1
	FI (Late) Language Arts 120 (Prerequisite: FI Language Arts 110)	1
	AP French Language & Culture (Prerequisite: FI LA 120)	1

ELECTIVE COURSES

Students need a total of 17 credits to graduate. Compulsory courses were described on the front of this registration form. The additional credits may come from any of the categories previously listed or from the elective courses on this side of the form. Please note that you need a minimum of five (5) grade 12 credits to graduate.

BUSINESS

Accounting 120	1
Business Organization and Management 120	1
Co-op 120 (I. D. E. A)(afternoon only)	2

COURSES UNIQUE TO HARBOUR VIEW

Please bear in mind that only **two** locally developed course found in this section may count towards graduation requirements (within the 17 credits required to graduate) and that it may not replace a compulsory course.

Engineering Technology 110	1
FI Techniques de Communication 120	1
Forensic Science 120 (Prerequisite: Science Credit)	1
Human Anatomy 120 (Prerequisite: Biology 112/111)	1
Leadership 120	1
Mandarin 120 (Chinese Language)	1
Marine Biology 120 (Prerequisite: Biology 112/111)	1
Photography 120 (Course fee: \$10.00)	1
Popular Music 120 (History of Rock and Roll)	1
Psychology 120 (Introduction)	1
Writing 120 (Prerequisite: Writing 110)	1
Yoga 110	1
Young Adult Literature 120	1

ENGLISH ELECTIVE COURSES

Canadian Literature 120	1
English 110 (EAL students only)	1
Journalism 120	1
Media Studies 120	1
Reading Tutor 120	1
Writing 110	1

FRENCH

FI Individual & Family Dynamics 120	1
FI World Issues 120	1
Post Intensive French 110	1
Post Intensive French 120 (Prerequisite: PI French 110)	1

SOCIAL SCIENCES

AP Psychology 120 (Prerequisite: Psychology 120)	1
AP Studio Art (Prerequisite: VA 110/120)	1
Canadian Geography 120	1
Child Studies 120	1
Economics 120	1
Hospitality and Tourism 110 (Computer based)	1
Law 120	1
Native Studies 120 (Prerequisite: Modern History 11)	1
Nutrition for Healthy Living 120	1
Political Science 120(Prerequisite: Modern History 11)	1
Sociology 120	1
World Issues 120 (Prerequisite: Modern History 11)	1
FI World Issues 120 (Prerequisite: Modern History 11)	1

APPLIED TECHNOLOGY

Culinary Tech 110 (Course Fee \$10.00)	1
Culinary Tech 120 (Prerequisite: Culinary Tech 110)(Fee \$10.)	1
Culinary Tech 110/120 (2 periods in one sem.) (Fee \$20)	2
Framing & Sheathing 110	1
Introduction to Electronics 110	1
Metal Fabrication 110 (Welding)(Course Fee \$40.00)	1
Personal Interest Corse (Advanced Welding 120) (Fee \$40.00)	1
Metals Processing 110 (Course Fee \$20.00)	1
Metals Processing 120 (Prerequisite: Metals 110) (Fee \$20.00)	1
Mill & Cabinet 120 (Course Fee \$30.00)	1
Residential Finish & Insulation 120 (Prereq.: Fram. & Sheath)	1

TECHNOLOGY

Information Technology 120, Hospitality & Tourism and BBT 10 outcomes satisfy the Computer Literacy requirements however through other course work a student may demonstrate Computer Literacy skills to meet Provincial Guidelines. Students may choose additional courses from this group if they wish.

Computer Aided Design 110	1
Computer Science 110	1
Computer Science 120	1
Cybersecurity 120	1
Digital Production 120	1
Information Technology 120	1
Robotics & Automated Technology 120	1

NOTES

- Students must have a minimum of 85% in prerequisite courses to take level one or AP.
- To upgrade to level two English or Math a student must complete level three with a minimum of 75%.
- Requirements for graduation may not meet the entrance requirements for university or college. Students should see a guidance counselor regarding requirements for specific programs before completing this form.

GRADUATION REQUIREMENTS

- Modern History 11 or AP Seminar/World Issues
- English 11
- English 12
- Math 11 (Foundations **OR** Financial & Workplace)
- One Science credit
- One Life Role/Personal Development credit
- Computer Literacy
- Five grade 12 credits
- 17 credits in total

List courses in order of preference:

1)
2)
3)
4)
5)
6)
7)
8)
9)
10)
Alt
Alt

VP/Guidance Signature: _____
Date: _____