



# **COURSE CALENDAR 2015-2016**

## **VISION**

To develop students' character and integrity by providing encouragement and opportunities for student success

## **MISSION**

To prepare students to be productive citizens of integrity through the development of their potential in academics, athletics and the arts

## **VALUES**

Our school community will support and recognize academic success  
Excellence will be modeled through responsible citizenship within our school community  
Teachers will encourage lifelong learning  
Students will take responsibility for their learning

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## THE CREDIT SYSTEM

Credits are assigned to Grade 11 and 12 courses only. A credit is awarded upon successful completion of a course (60% or higher) at the grade 11 and/or 12 level. The majority of grade 10 students are also eligible to take **one** grade 11 course as an elective. One credit corresponds to approximately 90 instructional hours.

### COURSE CODES

The first two digits (i.e. English 112) indicate the grade during which this course is usually taken. This applies primarily to the core courses in English, Mathematics, French, and Social Sciences. Some courses such as Culinary Technology 110 may be taken during either grade. The third digit indicates the level of difficulty:

- 1 - enriched university preparatory
- 2 - regular program university and community college technology preparatory
- 3 - prepares a student for certain one-year courses at community college or business college or for work
- 0 - may be available to a variety of levels.

The "0" courses vary in level of difficulty. Some "0" courses qualify as university entrance courses; others do not. Students are advised to consult with guidance counselors regarding specific courses.

### 20 CREDIT SYSTEM

Grade 11 and 12 students are expected to enroll in 10 courses per year, i.e., 5 courses from September to the end of January and 5 courses from February to the end of June. This allows two entry points during the school year - September and February. Most students will have also had the opportunity to complete a grade 11 course for credit during their grade 10 year.

**Graduation Requirements - Successful completion of 17/20 credits, 5 of which must be at the Grade 12 level.**

The following list constitutes the 7 compulsory subjects for the Grade 11/12 Program.

- a) English 111, 112, or 113 (A and B sections); full year courses = 2 credits
- b) English 121, 122 or 123; one semester course = 1 credit
- c) Foundations in Mathematics 110 = 1 credit

OR

Financial Workplace 110 = 1 credit

- d) One science from any Physics, Biology, Chemistry or Introduction to Environmental Science course, Micro Electronics 120, Introductory Electronics 110
- e) Modern History 111, 112, or 113; (or F.I. Modern History 112),
- f) One Fine Arts or Life Role Development course as listed below:

#### Fine Arts

Visual Arts 110/120  
Music 112/122  
Fine Arts 110  
Theatre Arts 120  
Graphic Arts and Design 110

#### Life Role Development

Individual and Family Dynamics 120  
Co-op Ed 120  
Outdoor Pursuits 110  
Health and Phys Ed 120  
Hospitality and Tourism 110  
Entrepreneurship 110  
Yoga 110  
Wellness Phys Ed 110

***\*Students who have taken a minimum of three Advanced Placement courses and written a minimum of three Advanced Placement exams will receive an AP Scholar pin at the graduation ceremonies.***

## **ELECTIVE COURSES**

### **ELECTIVE COURSES**

In addition to the 7 compulsory courses, students can choose 14 additional elective courses. The elective course selection is designed to allow students flexibility in completing their requirements for graduation. Electives may be chosen from a broad range of subjects however not more than two Local Option\* courses may be counted toward graduation. Students may also choose to concentrate in one specialized area of the curriculum such as science, technology, or another field of interest.

Elective course selection will often depend on counseling from parents, teachers, guidance personnel, and administrators. Students who plan on pursuing post-secondary education must have the appropriate courses upon graduation which will allow them access to the universities/colleges of their choice. A key consideration is to have students open as many education doors as possible. Students' programs, therefore, should be flexible and adaptable.

\*Local Option Courses that have been offered at HHS have included: Sociology 120, Wellness Through Physical Education 110, Physical Science 110, Literacy 110, Song and Society 110, Art History and Appreciation and Yoga 110.

### **NEW BRUNSWICK HIGH SCHOOL DIPLOMA REQUIREMENTS**

In addition to the above, and in order to receive a New Brunswick High School Diploma, students must:

#### **1. Pass the computer literacy requirement.**

Courses offered by this school that meet the computer literacy criteria are:

- Broad Based Technology 10
- Computer Aided Design 110
- Introduction to Electronics 110

#### **2. Pass the English Language Proficiency Assessment, written for the first time in grade nine.**

## THE FOUR YEAR COURSE CALENDAR

<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
English (180 hr)	English (180 hr)	English (2 credits)	English 121, 122, or 123 (1 credit)
Math (180 hr)	Math (180 hr)	Math (1 credit)	Grade 12 Elective
Post-Intensive French (90 hr) OR FI Language Arts (180 hr)	Post-Intensive French (90 hr) OR FI Language Arts (180 hr)	History	Grade 12 Elective
Social Studies	Social Studies		
Science	Science	Science	Grade 12 Elective
Phys Ed.			
<b>Specialty Courses</b>	<b>Specialty Courses</b>		
Art/Music (45 hr. each)	Health & Phys Ed., Visual Arts, Music & BBT	Elective Elective Elective Elective	Elective Elective Elective Elective Elective
	English Students choose 2 specialties from above. FI students choose 1 specialty from above.		

180 hours = full year course  
 90 hours = one semester course  
 45 hours = half of one semester

### **COURSE OUTLINE FOR STUDENTS ENROLLED IN FRENCH IMMERSION**

For students enrolled in the French Immersion program, the following courses are required.

#### **Grade 9**

FI Language Arts (180 hr), FI Social Studies (90 hr), FI Science (90 hr), FI Math (180 hr)

#### **Grade 10**

FI Language Arts (180 hr), FI Social Studies (90 hr), FI Science (90 hr), FI Math (180 hr)

#### **Grade 11**

FI Language Arts 110, FI Modern History 112

#### **Grade 12**

FI Language Arts 120

As with admission, students who want to exit the French Immersion program MUST make application to the Anglophone South District Office to obtain permission.

## POST SECONDARY EDUCATION GUIDELINES

### University/College Entrance Requirements

To be considered for admission to a university degree program directly from high school, students must be enrolled in an academic program in high school (level 1 or 2 courses).

Occasionally, students who have taken a non-academic math (level 3), but otherwise are enrolled in academic subjects (level 1 or 2), may be admitted to an Arts Program at University. Please note there are specific courses required in these situations, and students should consult a guidance counselor for details. Most universities require 5 or 6 grade 12 academic courses for admission purposes, and many programs require minimum averages for acceptance. Students and parents are encouraged to check university/college websites.

**Students should be aware that high school graduation does not necessarily mean acceptance to post-secondary institutions.**

### Admission to Community Colleges

The New Brunswick Community College offers a variety of programs, some of which require level 2 preparation from high school, and other programs that can be accessed with a high school diploma. Many of the technology programs require an academic program involving level 2 Math and English, for example:

- Business Administration
- Chemical Technology
- Engineering Technology (Civil, Electronics, Mechanical, Power)
- Environmental Technology
- Industrial Control Technology
- Information Systems
- Medical Lab Technology
- Computer Programming

Other Community College Programs will admit students who have completed a non-academic program (level 3), for example:

- Early Childhood Education
- Cook
- Human Service Counsellor
- Landscaping
- Trade Options (carpentry, plumbing, machinist, etc)
- Visual Arts (photography, pottery, etc.)

Students are encouraged to check university/college calendars or web sites or with a guidance counselor for specific admission requirements, as requirements are always subject to change.

## THE GRADE 9/10 PROGRAM

The four years of high school, referred to as “The High School Program”, consists of two basic units, the 9/10 program and the 11/12 program. The basic skills, knowledge, competencies and experiences acquired in the 9/10 program are necessary for future learning in the 11/12 program. **The distinguishing features of grade 9 are the common curriculum, heterogeneous grouping, scheduling by classes and student promotion decided by teachers and the Educational Student Support team. All courses in grade 9 are compulsory.** Grade 10 is defined by the opportunity for some curriculum choice, heterogeneous grouping in some subjects with the option to ability group in others, and promotion by subject.

**The following general descriptions outline the course of studies in each year:**

### **Grade 9 Courses**

#### **ENGLISH LANGUAGE ARTS 9 (180 hours)**

The curriculum focus for this course is reading, writing, speaking, listening and thinking. Students develop their ability to write clear sentences, paragraphs, and essays and provide personal responses and analyses. Short stories, novels, poetry, and drama are the genres for achieving academic outcomes. As a school we have adopted the MLA format for writing essays. Students are introduced to this format in grade 9. The English Language Proficiency Assessment is written in grade 9 and students will spend a substantial portion of their class time further developing the skills that are necessary to succeed on this assessment, one that is a graduation requirement for all students.

#### **MATHEMATICS 9 / French Immersion MATHEMATICS 9 (180 hours)**

This is a full year course that provides the basis for high school Mathematics. Topics covered include number theory concepts, operation principles in numeric and algebraic forms, pattern representation, measurement, geometry, data analysis and probability.

Text: Math Makes Sense 9 (Pearson)

#### **SCIENCE 9 / French Immersion SCIENCE 9 (90 hours)**

This course is designed to introduce students to the varied disciplines of science. Over a semester, the study of scientific inquiry and observation will be addressed. The main topics covered will include: Atoms and Elements, Reproduction, Characteristics of Electricity and Space Exploration.

Text for Science 9: Nelson Science 9 Text for F.I. Science 9: Sciences 9

#### **SOCIAL STUDIES 9 (90 hours) / F.I. SOCIAL STUDIES 9 (90 hours)**

In this course students investigate our Canadian identity and its personal significance for them. Within a project based approach appropriate for social studies learning, students investigate the many peoples, identities, histories and the geography that make up our diverse country. Students are exposed to a variety of different media including video and multimedia information.

Text for Social Studies 9: Canadian Identity

Text for F.I. Social Studies 9: Identité canadienne

#### **POST INTENSIVE FRENCH 9-10 Block (180 hours)**

In Post-Intensive French, the first two years are to be considered as a learning block (and this block is compulsory). To continue to develop students’ French skills between grades 6 to 12, students participate in Post-Intensive French, a program that follows the same kind of learning activities and teaching strategies as those used in Intensive French. During Intensive and Post-Intensive French, students engage in interesting activities and projects that foster conversations among students while developing reading and writing skills. Both Intensive and Post-Intensive French promote learning French through language-based activities versus learning subjects, such as science and social studies in French. Intensive French focuses first on speaking (fluently and accurately) supported by reading and writing.

Units of Study:

Grade 9: 1. *La musique* 2. *Le petit écran* 3. *La responsabilité sociale*

Grade 10: 1. *Le mystère* 2. *Le grand écran* 3. *Les Technologies de l'information et de la Communication*

### **Post Intensive French 9 (90 hours)**

This course will develop student's basic conversational skills. This is a continuation of the Middle School program. Emphasis is placed on speaking and listening skills. Therefore, students will be expected to participate actively in the classroom sessions (dialogues, role playing and group work). This course covers the language skills necessary for effective communication in French in daily situations.

Texts: *Ça marche* (-Ma chambre, ma vie -Mission emploi), *Communi-Quête* (Studio créateur)

### **FRENCH IMMERSION LANGUAGE ARTS 9 (180 hours)**

This course is open to students who have completed the Early or Late French Immersion Programs at the Middle School level. This course will deal with the following aspects: vocabulary, oral expression, composition, literature and culture. Early F.I. Language Arts students will delve more deeply into French vocabulary and grammar.

Texts: Language Modules, Readings from various sources, novels

### **HEALTH & PHYSICAL EDUCATION 9 (90 hours English Program, 45 hours French Immersion Program)**

This course emphasizes regular participation in a wide variety of enjoyable physical activities that promote lifelong, healthy, active living. Students will apply movement principles and sport/game strategies to refine skills, and actively participate in sports and games to enhance their personal competence and fitness. Students will investigate and examine issues related to healthy sexuality, healthy eating, substance use and abuse, and will participate in activities designed to inform decision-making, conflict resolution, and social skills in making personal choices.

Texts: *Fitness for Life*

### **SPECIALITIES**

Students will spend 45 hours studying each of the following:

- Visual Arts 9
- Music 9
- Phys Ed 9

## **Grade 10 Courses**

### ***Compulsory Courses:***

### **ENGLISH LANGUAGE ARTS 10 (180 Hrs)**

#### **Prerequisite: Language Arts 9**

The curriculum focus for this course is reading, writing, speaking, listening and thinking. Students continue developing their ability to write clear sentences, paragraphs, and essays. Short stories, novels, poetry and plays are the genres for achieving academic outcomes. Two Shakespearean plays are studied. In some circumstances, students may be grouped according to ability.



### **GEOMETRY, MEASUREMENT AND FINANCE 10**

Using algebra, spatial reasoning and problem-solving strategies students explore a variety of topics related to financial mathematics and mathematics of shape and space. Unit pricing, currency exchange, income and credit options are explored in relation to student experience. The Pythagorean theorem, primary trigonometric ratios, and an understanding of angles and parallel and perpendicular lines are used to solve problems. Both the metric and imperial systems of measurement are used to explore the geometry of 2D and 3D shapes.

This is a required course for all students and a pre-requisite for all Grade 11 Mathematics courses

### **NUMBERS, RELATIONS AND FUNCTIONS 10**

This course lays the foundation for further work with algebra, relations and functions. The concepts and skills around factoring, square and cube roots, irrational numbers, powers, and the multiplication of polynomial expressions are explored and practiced. The relationships between numbers in data and graphical form are interpreted and explained with reference to concrete situations. Linear relationships are explored in detail – slope, ways to represent linear relationships, characteristics when graphed, algebraic and functional notation, calculations of distance and midpoint, and methods of solving systems of equations.

This is a required course for all students and is a pre-requisite for **Foundations of Mathematics 11** and **Pre-Calculus 11**.

### **SCIENCE 10 / French Immersion SCIENCE 10 (90 hours)**

#### **Prerequisite: Science 9 or French Immersion Science 9**

This course is designed to continue and advance study from the grade 9 science program. Students will continue to develop skills in hypothesis testing and lab procedures. The main topics covered include: Sustainability of Ecosystems, Weather Dynamics, Chemical Reactions and Motion.

Texts: Nelson 10 & Omniscience 10

### **Post-intensive FRENCH 10 (90 hours)**

#### **Prerequisite: French 9**

This course is designed to develop students' basic conversational skills in French. The four linguistic abilities are used: oral and reading comprehension and oral & reading production. However, more emphasis is placed on developing the speaking and listening skills. Therefore, students will be expected to participate actively in classroom sessions (dialogues, role playing and group work). This course covers the language skills necessary for effective communication in French in daily situations.

Texts: Ça marche (-Nous, les Canadiens –films à l'affiche), Communi-Quête (Mission survie)

### **French Immersion LANGUAGE ARTS 10 (180 hours)**

#### **Prerequisite: French Immersion Language Arts 9**

This course emphasizes communication in order to foster growth of the language skills: listening, speaking, reading, and writing. It encourages the use of the language as a vehicle for communication and reflection, and as a factor in the student's personal development. It will also increase the student's cultural knowledge and experience. This course will deal with the following aspects: vocabulary, oral expression, composition, literature and culture. It is taken in conjunction with F.I. Math 10, F.I. Science 10 and F.I. Social Studies 10.

Texts: Language Modules, Readings from various sources, short stories

### **Specialty Courses:**

French Immersion students choose one (1) 90 hour course of: Health & Physical Education 10 or Music 10 or Visual Arts 10 or BBT 10

Post-intensive French students choose two (2) 90 hour courses of: Health & Physical Education 10 or Music 10 or BBT 10

### **HEALTH & PHYSICAL EDUCATION 10 (90 hours)**

This course emphasizes regular participation in a wide variety of enjoyable physical activities that promote lifelong, healthy, active living. Students will apply movement principles and sport/game strategies to refine skills, and actively participate in sports and games to enhance their personal competence and fitness. Students will investigate and examine issues related to healthy sexuality, healthy eating, substance use and abuse, and will participate in activities designed to inform decision-making, conflict resolution, and social skills in making personal choices.

Texts: Fitness for Life

### **MUSIC 10 (90 hours)**

#### **Prerequisite: Music 9**

This course is divided into three important sections: 1) *Performance* (on either guitar or keyboard), 2) *Theory* and 3) *Music Appreciation*. Topics covered will include a brief introduction into music history (from the Medieval Era through to the Baroque Era), an introduction to the History of Rock and Roll (30s, 40s and 50s), an overview of Musical Theatre and an overview of Music and Film. The aim of this course is to improve the student's understanding of how music was and is developed and to help develop well-rounded, competent musicians. This course leads into either Music 112 or music 113.

Texts: Essentials of Music (theory) Book I & Standard of Excellence (history) Book I

### **VISUAL ARTS 10 (90 hours)**

#### **Prerequisite: Visual Arts 9**

This course is the foundation course for Art and Design. It introduces students to a variety of art materials, techniques and concepts. The course explores the basic elements of line, shape, texture, colour and value through a series of drawings, painting, printmaking or sculpture projects. Throughout the course students are encouraged to discuss, analyze and evaluate their own work and that of others. Students will need to purchase an art kit, the cost of which will be kept to \$20.00.

### **BROAD BASED TECHNOLOGY 10 (90 hours)**

#### **Prerequisite: Broad Based Technology 9**

This course builds on skills developed in grade 9 BBT. Students explore computer graphics, animations, digital imaging, digital audio and web publishing. Students develop computer-based projects. (Computer literacy graduation requirement will be met with successful completion of this course.)

## **ELECTIVES:**

**Choose one (1) from the following:**

### **APPLIED TECHNOLOGY 110**

This is practical "hands on" course that allows a student to sample a variety of trades and technology fields using a modular approach. In this exploratory setting, students will work in pairs to complete a variety of modules including carpentry, woodworking, electrical wiring, plumbing, drywall, concrete work, electronics, robotics and pneumatics.

This course will appeal to students who enjoy working with tools and materials, to those who would like to use it as a career exploration opportunity and to those who plan on post-secondary education in trades and technology fields.

### **BIOLOGY 111\*-112**

**Prerequisite:** Successful Completion of Grade 10 Science and Geometry, Measurement & Finance 10

This is a laboratory oriented course that emphasizes the knowledge, skill, and STSE (Science, Technology, Society and the Environment) connections among the following topics; structure of cells; classification of living things; flow of matter and energy in organisms and the biosphere; photosynthesis and respiration; digestive, respiratory, excretory and circulatory systems; blood and immunity. Laboratory work is an important component of this program.

Text: Prentice Hall Biology

**\* Biology 111 requires 80% or above in Science 10 + teacher recommendation and Geometry, Measurement & Finance 10 AND Number, Relations and Functions 10**

### **CHEMISTRY 111\*-112**

**Prerequisite:** Successful completion of Grade 10 Science and Geometry, Measurement & Finance 10 AND Number, Relations and Functions 10

This course is a college preparation course used as an entrance requirement for science related university courses, as well as community colleges and nursing programs. It is the first of two chemistry courses. The course will cover chemical nomenclature, chemical reactions, quantitative changes in chemical reactions, gas laws, solutions, and structures and properties of molecules.

The accompanying laboratory program will familiarize students with lab safety, a variety of lab equipment and lab techniques. Research and essay writing on various science topics and other chemistry challenges may be part of the course. Chemistry 111 students are required to complete a term project and will cover topics in greater depth.

Text: Nelson Chemistry

**\*Chemistry 111 requires 80% or above in Science 10 + teacher recommendation**

### **LITERACY 110**

***(Will be selected for those who are unsuccessful on the English Language Proficiency Assessment - ELPA)***

All students who have yet to meet the provincial standard for both portions (reading and writing) of the English Language Proficiency Assessment are *required* to take this course. Students who passed the reading portion but missed the writing portion of the assessment are *advised* to take this course as well. In a concentrated and focused approach, we incorporate best practice reading/writing workshop strategies in Literacy 110 to address student deficiencies in these areas. The instructional week is divided between these workshops such that by semester's end approximately 40% of class time will be focused on reading development and 60% of class time on writing development.

Writing portfolios and reader-response journals are a significant part of the course work. Students will have access to a growing library of fiction and non-fiction geared to their interests and their reading ability.

This is an exam course offering those students who pass a grade 11 elective credit

### **MILL AND CABINET WORK 120**

**Lab Fee: \$12.00**

This is a finish woodworking course in which students will develop the necessary skills, knowledge and work habits required to work with woodworking tools and machines. Students, through a series of projects, will be involved with several wood milling operations including planning and estimating. This course will be of benefit to those students interested in entering the construction or woodworking occupations as well as for those with a general interest in woodworking.

# ART

The Art courses are designed to provide students with opportunities to develop:

- their visual awareness,
- their skills in art process and techniques
- their understanding of a number of art movements and theories
- their potential to respond critically to visual and aesthetic phenomena, and
- an understanding of their art heritage

## **VISUAL ARTS 110**

**Prerequisite:** Successful completion of 9-10 Art

In this course independence is encouraged through a series of individual projects in drawing, painting and sculpture. Group discussions and written work with an art historical focus are regular features. Students will need to purchase an acrylic painting kit, the cost of which will be kept below \$25.00.

## **ART HISTORY AND APPRECIATION 110 (Local Option Course)**

This is a lecture and slide course presentation largely focusing on Western man's history of visual art, sculpture and architecture. The course looks at major movements and figures from prehistoric cave painting to conceptual post-modern work in current times. Art text(s) will augment the course as students learn to become familiar with famous artists from Van Gogh to Warhol, all the while discovering why we place such value in our culture on the creative process.

## **VISUAL ARTS 120**

**Prerequisite:** Art 110

In this course, students specialize in one major area of their choice. Group discussions and written work focusing on contemporary art are an integral part of this course. Students are expected to participate in a minimum of two public exhibits during the semester. As well as being a course of general interest, Art 120 offers those seriously interested in continuing their education in Art, the opportunity to prepare a substantial portfolio to submit to an art college.

## **THEATRE ARTS 120**

**Prerequisite:** Students taking this course must be either in grade eleven or grade twelve. It is expected that students applying for this course have an interest in theatre.

This course covers a variety of basic theatre skills including voice, stage presence and improvisation. It basically addresses general acting skills.

This is, principally, a participatory course spent largely on the stage. Students will apply their acquired stage skills towards a brief play they will present to the school at the end of the semester. Students will be required to write, direct and act in this play.

Considerable attention is given to improvisation and mask work. It is important to note that students are required to keep a written daily journal for the initial 12 weeks of the course. The journal is marked for length of entry, neatness, spelling and grammar. This journal represents approximately 50% of the

student's class mark. Also important to note is that attendance and participation is mandatory. Missing more than 10% of classes (9 classes) may result in NO CREDIT. The final exam is a scripted monologue that the student will present from memory and represents 20% of the year's mark.

### **GRAPHIC ART & DESIGN 110**

Students examine the changing face of graphic and computer art as well as the history of print media. Explorations include the study of typography and calligraphy and the application of text to all forms of media. Students apply the elements/principles of design to group and individual art projects such as signage, billboards and production of school play posters. Black & white darkroom techniques are introduced. This course fulfills the computer credit. A lab fee of \$25 applies.

# **BUSINESS EDUCATION**

Courses in business studies will provide opportunities for students to:

- develop an awareness and understanding of the forces that influence our economy and standard of living
- develop the business-related skills, attitudes, knowledge and concepts that they will require for their personal use.
- develop feelings of self-worth and self-confidence through their business studies, assignments and applications.
- acquire an appropriate business education background for post-secondary education and future careers in the world of business.
- acquire the business, personal, and interpersonal skills, knowledge and attitudes essential for direct entry into and successful participation in the world of work.
- develop the ability to communicate effectively in a business environment.
- acquire the knowledge and understanding that they require to make sound educational procedures, types of insurance, taxation, labour and unions, and the relationship of government to business. Some computer related projects are introduced in this course.

### **BUSINESS ORGANIZATION AND MANAGEMENT 120 (\*\*Necessary for FIT Certificate)**

This course is designed for university preparatory students in their last year of high school. Students should gain an understanding of how the business system is managed in Canada, emphasis being placed on business problems as seen through the eyes of management. Projects, case studies and problem solving are a major part of the course. The major topics included are: business ownership, small business management, the functions and problems of management, financial management and control, production, marketing procedures, business, government and society and future careers in business.

### **ENTREPRENEURSHIP 110 (\*\*Counts toward FIT Certificate)**

Entrepreneurship 110 is designed to help the student learn about the skills, abilities, and personal characteristics that are needed to become a successful entrepreneur, as well as develop their individual aptitudes, attitudes and interests. The student will practice the techniques involved in accurately assessing opportunities, generating ideas, selecting and evaluating ideas, and preparing business plans for putting these into action. Entrepreneurship 110 emphasizes the development of business concepts, making extensive use of case studies, and where possible, business simulations.

### **INTRODUCTION TO ACCOUNTING 120**

*(also offered via Distance Education)*

NOTE: This course is designed for students in Grades 11 or 12 who are planning to attend university or community college.

The course includes the development and use of journals, ledgers and related books of accounts. Basic accounting principles and concepts are discussed at some length to help students understand the conceptual framework of accounting. The preparation and use of the financial statements of proprietorships, partnerships, and corporations are studied in some detail. This course is accepted as a university entrance (elective) credit for all programs at University of New Brunswick. A fee of approximately fifteen dollars is required for the purchase of a workbook.

Text: *Accounting 1*

### **ACCOUNTING 120**

*(also offered via Distance Education)*

**Prerequisite:** Intro to Accounting 120

Accounting 120, a one-semester course, examines the electronic application of accounting for merchandising or service businesses. Students will learn to establish/convert a company from a manual to an electronic system, the routine accounting procedures and the preparation of financial documents.

### **COOPERATIVE EDUCATION 120 (2 credits)**

**(\*\*Counts toward FIT Certificate)**

This course allows students to experience work in the field that is of interest to them.

The course begins with an in-school pre-employment program which prepares the student for entering the world of work through a series of projects including personal interest inventories, resume writing, interview skills, training plans, job safety, first-aid and CPR training.

Following the pre-employment portion of the course students are given a work placement in the community. While working each afternoon at their job placements, students will gain knowledge, skills and insight into their chosen field. In addition, this course will promote the building of personal skills such as responsibility, self-reliance and teamwork.

Enrollment in this course is competitive as well as limited. There is **an application** process and preference is given to grade 12 students who have demonstrated a good attendance record, have a mature manner, are doing reasonably well academically, and can gain favourable references from at least three teachers.

# ENGLISH

Students who plan to go on to university or to certain academic community college programs must select courses ending in either 1 or 2. Students who think they will be going to Community College should seek advice from their guidance counselor as to which level of English they should take.

Students entering the Enriched English in grades 11 and 12 have the opportunity to write two Advanced Placement exams that can be used to challenge for University credit.

Writing 110, Media Studies 120, Canadian Literature 120, Theatre Arts 120, Journalism 120 and Reading Tutor 120 are elective courses which may be taken in addition to the required courses.

## **GRADE 11 ENGLISH**

Grade Eleven students must take English for the full year (one course per semester). We will split the year into two independent modules for all three levels (i.e. 111A, 111B; 112A, 112B; 113A, 113B). In both modules we will attempt to incorporate units of study which focus on Canadian Literature. The order in which these modules are taken does not matter.

### **ENGLISH 111 AP Literature, Language & Composition**

**English 111 is a full-year course**

**Prerequisite:** Approval of the English SPR and the recommendation of the grade ten English teacher.

English 111 is an enriched English course. Semester one will focus on prose, both fiction and non-fiction. Students will study recognized classic and contemporary novels, short stories, as well as representative works of non-fiction (such as biography, autobiography, essays, and letters). Course work will include opportunities for creative and critical writing, debate and critical media viewing. Enrichment activities will focus on independent study. Some of the reading and writing activities will be specifically geared toward preparing interested students for writing the AP English Language and Composition exam in the spring.

Semester two will focus on poetry and drama. Students will be exposed to a wide variety of poetry. Such a study will include the close reading of major works but is not meant to take the place of period studies such as those addressed in the grade 12 course. Opportunities for self-expression through writing poetry will also be incorporated. The study of drama will cover Greek theatre, Elizabethan theatre and the modern stage. Course work will also include assignments in critical writing, debate and critical media viewing. Once again, enrichment activities will focus on independent study and some of the reading and writing exercises will be geared towards preparing interested students for writing the AP English Language and Composition exam in the spring.

Texts:

*The Great Gatsby* by F. Scott Fitzgerald

*Frankenstein* by Mary Shelley

*Catcher in the Rye* by J.D. Salinger

*Macbeth* by William Shakespeare

*Antigone* by Sophocles

*A Streetcar Named Desire* by Tennessee Williams

*Shakespeare: The World as Stage* by Bill Bryson

*Echoes* text

Various Short Stories and Poetry

## **ENGLISH 112A**

**(also offered via Distance Education)**

**Prerequisite:** A student has to have passed a non-modified English course in Grade 10.

English 112A is one module of the standard college preparatory grade eleven English course taught at Hampton High School. This module focuses on prose and is designed to expose students to a wide variety of types of fiction and non-fiction. Students will study novels and short stories, with a greater emphasis to be placed on Canadian writers, as well as representative works of non-fiction (biography, autobiography, essays, letters, etc....). Course work will include opportunities for creative and critical writing, debate and critical media viewing.

Texts:

*Echoes II: Fiction, Media and Non-Fiction*

*Frankenstein*

*Jurassic Park*

*More Joy in Heaven*

*A Separate Peace*

*The Apprenticeship of Duddy Kravitz*

*The Catcher in the Rye*

*Girl With A Pearl Earring*

*Angels and Demons*

*Crow Lake*

## **ENGLISH 112B**

**(also offered via Distance Education)**

**Prerequisite:** Same as English 112A

The English 112B module will focus on poetry and drama. Students will be exposed to a wide variety of poetry, although a greater emphasis will be placed on Canadian works. Opportunities for self-expression through writing poetry will also be incorporated. The study of drama will cover Greek theatre, Elizabethan theatre and the modern stage. Course work will also include assignments in critical writing, debate and critical media viewing.

Texts:

*Echoes II: Fiction, Media and Non-Fiction*

*Inside Poetry*

*Tracing One Warm Line: Poetry of*

*Canada*

*Antigone*

*Macbeth*

*Julius Caesar*

*Twelfth Night*

*A Doll's House*

*Death of a Salesman*

*The Crucible*

*Never Swim Alone*

## **ENGLISH 113**



English 113 is intended for students who are planning to enter the work force after graduation or to take non-academic courses at community college. An emphasis is placed on the development of basic reading, writing and speaking skills. Wherever resources allow, Canadian works will be incorporated into the literature segments of the course.

### **ENGLISH 113A**

**Prerequisite:** A student has to have passed English in Grade 10. The recommendation of the grade ten or eleven language arts teacher will determine placement in most cases.

The literature segment of the English 113A module will focus on prose and is designed to expose students to a variety of types of fiction and non-fiction. Students will study novels and short stories, as well as works of non-fiction (biography, autobiography, essays, letters, etc). Emphasis will be placed on the continuing development of critical reading skills. Course work will include opportunities for creative and critical writing and critical media viewing. The writing segment of this module will continue to emphasize developing good sentence and paragraph writing skills, applied to reports, letters, summaries, etc... The monitoring and correction of spelling, vocabulary, punctuation, and syntax will be an important part of this work.

Texts:

*Between the Lines*

*When the Legends Die*

*View Points*

*The Issues Collection: Global Matters*

*Ethics, Matters of Gender*

*The Contender*

*The Brave*

*The Day of the Triffids*

*An Acceptable Time*

*The Wave*

*Wave Watch*

*The Year Without Michael*

*Z is for Zachariah*

*Communicate*

### **ENGLISH 113B**

**Prerequisite:** Same as 113A

The literature segment of the English 113B module will focus on poetry and drama. Students will be exposed to a variety of poetry, with major emphasis on lyric and narrative poems. Opportunities for self-expression through writing poetry will be incorporated. The study of drama will focus principally on modern works, but students will read Shakespeare as well. Emphasis will be placed on the continuing development of critical reading skills. Course work will include opportunities for creative and critical writing and critical media viewing. The writing segment of this module, as in module A, will emphasize developing good sentence and paragraph writing skills, applied to reports, letters, summaries, etc... the monitoring and correction of spelling, vocabulary, punctuation, and syntax will continue to be an important part of this work.

Texts:

*Between the Lines*

*Transitions-Poetry Alive*

*Side By Side: Songs and Poems*

*Media Mix*

*Macbeth*

*Julius Caesar*

### **ENGLISH 121**

The Advanced Placement course is a full year survey course of English literature, covering works from the 16th to 21st Century. English 121 covers the first half of the material; English 120AP covers the second half. A student who takes English 121 is expected but not required to take English 120AP. The second semester course is an elective.

**Prerequisites:** Students wishing to take English 121 must have passed English 111B and have the approval of the Department Head. A student who does well in English 112A and English 112B may, upon recommendation of the Department Head take English 121.

English 121 is an enriched English course. The course we offer at HHS is designed to fulfill both the basic unit structure of the enriched college preparatory course (English 121), as well as part one of the requirements of the Advanced Placement Literature and Composition course; that is, the work load is similar to English 121, but the enrichment is provided through an AP approach to the material selected.

Texts:

*The Norton Anthology of English*

*Literature: Romantic Verse*

*Oedipus Tyrannus*

*Hamlet*

*A variety of other titles (plays and novels) for independent study*

### **ENGLISH LITERATURE 120AP**

English 120AP (Literature and Composition) is a continuation of the second semester of English 121). Advanced Placement is a program of study offered worldwide; it offers interested students the opportunity to challenge for credit in a university level course by writing an internationally recognized exam in May. Students must pay a fee in order to write this exam. Students are not required to write the AP exam in order to gain a school-based credit. The course is an intensified study of a wide variety of literary texts drawn from both British and North American authors. Students will be expected to read widely and write frequently.

Texts:

*The Norton Anthology of English Literature*

*Heart of Darkness*

*Possession*

*Three Day Road*

*The Merchant of Venice*

*Of Mice and Men*

*Fifth Business*

*16th, 17th, and 18th Century Poetry*

*A variety of other titles (plays and novels) for independent study.*

### **ENGLISH 122**

**(also offered via Distance Education)**

**Prerequisite:** English 112.

English 122 is the regular college preparatory course. Although there is continued emphasis placed on good writing skills, particularly those related to essay writing, the English 122 course is basically a literature course. The course is made up of three units: the novel; a study of the poetry from the

Eighteenth Century and Restoration period, the Romantic period, or the Victorian period and the Shakespearean play.

Texts:

*Imprints 12*

*Our Literary Heritage*

*Wuthering Heights*

*The Return of the Native*

*Great Expectations*

*The Stone Diaries*

*Touch the Dragon*

*The Da Vinci Code*

*Hamlet*

*King Lear*

*Merchant of Venice*

### **ENGLISH 123**

**Prerequisite:** Grade 11 English.

English 123 is intended for those students who plan to enter the work force after graduation or take certain courses at community college. English 123 has two main components, literature and writing. The literature section will concentrate on the short story, the novel, poetry, drama: a modern play and a Shakespearean play, and media: film. The writing unit will have continued emphasis on sentence and paragraph writing skills, essay writing skills, spelling punctuation, and syntax.

Texts:

*Destinations: In Flight*

*Fahrenheit 451*

*The Moon is Down*

*The Miracle Worker*

*Macbeth*

*Jurassic Park*

*Of Mice and Men*

*Inherit the Wind*

*Between the Lines 12*

*My Left Foot*

### **LITERACY 110**

**(Grade 10, 11 or 12 students only)**

All students who have yet to meet the provincial standard for both portions (reading and writing) of the English Language Proficiency Assessment are *required* to take this course. Students who passed the reading portion but missed the writing portion of the assessment are *advised* to take this course as well.

In a concentrated and focused approach, we incorporate best practice reading/writing workshop strategies in Literacy 110 to address student deficiencies in these areas. The instructional week is divided between these workshops such that by semester's end approximately 40% of class time will be focused on reading development and 60% of class time on writing development.

Writing portfolios and reader-response journals are a significant part of the course work. Students will have access to a growing library of fiction and non-fiction geared to their interests and their reading ability.

This is an exam course offering those students who pass a grade 11 elective credit.

### **CANADIAN LITERATURE 120**

**Prerequisite:** Students taking this course must have passed English 111 or 112.

Canadian Literature 120 involves a concentrated study of Canadian plays, poetry, short stories and novels. An emphasis is placed on how the literature of the 19th, 20th and 21st centuries reflects the Canadian identity and how it is unique in world literature.

Texts:

*For Those Who Hunt the Wounded Down*

*The Tin Flute*

*Nights Below Station Street*

*Alias Grace*

*Tracing One Warm Line: Poetry of Canada*

*An Anthology of Canadian Literature in English*

### **JOURNALISM 120**

Journalism 120 is a course intended for those students who have an interest in writing and, in particular, journalism. This course introduces students to basic news writing skills and concepts, including how news is covered and reported, what makes news, what constitutes good news writing, and how to write summary leads. Students will also learn how to distinguish between quotation and attribution and how to organize a new story, as well as interviewing techniques, writing basic stories, beat reporting, and feature writing. Instruction will also be given in the use of word processing and desktop publishing programs.

### **MEDIA STUDIES 120**

*(also offered via Distance Education)*

**Prerequisite:** This course gives preference to grade twelve students.

This is a hands-on course in the media. It deals with film, television, advertising and video. The course will cover the characteristics and techniques of each medium and will involve practical work in such areas as the making of videos and multimedia productions. Although it is a hands-on course, students are expected to do a substantial amount of reading and writing dealing with the theory related to the various media.

### **READING TUTOR 120**

This course provides qualified Grade 12 students with an opportunity to receive an elective credit for tutoring grade 9 students in reading, while learning about teaching reading as well as other related language arts skills. There is an **application** process to be followed by interested students with leadership skills who have a minimum grade of 75% in English 111 or 112.

This course may be of special interest for those who are considering a career in teaching or education.

### **WRITING 110**

Writing 110 is intended for Grade 11 and 12 students who are serious about strengthening their basic reading and writing skills in order to have success in other grade 11 and 12 English programs. The course will cover units on the sentence, the paragraph, the essay, syntax, spelling and punctuation. Students will be expected to write on a daily basis, incorporating their growing knowledge of the traits of writing. Independent reading is important as well in this course which enhances our school's other literacy initiatives. Where appropriate, creative writing will be incorporated as a component of the course.

# MUSIC

## **MUSIC 112**

Those who are participating in HHS performing groups such as Band or Orchestra are encouraged to take this course. Private students of piano, voice and other instruments may also apply. **Students must have a strong musical background in reading music.**

Course content: Emphasis will be placed on both the practical aspect of music such as singing and playing instruments, and the academic aspect such as theory, harmony, ear training, and music history. The aim of the course is to develop a well-rounded, knowledgeable and competent musician at the high school level.

Texts: *Experiencing Music, Wingell*  
*For Young Musicians, Vol. 1 & 2, K. Bray*

## **MUSIC 122**

**Prerequisite:** Students taking this course must have had success in Music 112. (Teacher recommendation required)

Course content: As in 112, this course places emphasis on practical and academic aspects of music. It is an excellent choice for musicians who have a solid theory background as it extends musicianship into other topics such as Canadian music history, computers in music, composition, ear training and performance. This course is designed to be fairly student directed. Independent research and study will be expected.

Texts: *For Young Musicians Vol 2, K. Bray*  
*Music of Canada*  
*Learning to Compose, Bennett*

## **MUSIC 113**

The only prerequisite for this course is an interest in learning about music.

This course is designed for beginner musicians and for students who enjoyed Grade 9-10 music but do not have the theoretical or practical background to take 112. This course focuses on both the practical aspect of music through playing an instrument and on the more theoretical aspect of music reading, basic theory, song writing, and history. Many students who already know how to play guitar or piano by ear and learn how to read music find this course very useful.

This course is open to students who want to learn or continue to learn to play **guitar or keyboard**. Keyboards are available at the school. **You must provide your own acoustic guitar (no electrics).**

## **SONG AND SOCIETY 110**

**Prerequisite:** Grade 10 Music with teacher's recommendation.

Students should have an interest in music and songwriting and students should have a strong background and understanding of playing an instrument.

The *Song & Society 110* course will offer students an opportunity to develop musical skills, to reflect on the society in which they live and how music expresses social values. The course will allow students to have an outlet to discuss social issues and their views on these issues – past, present and future. They will be using new technology for recording and composition purposes and the students will have an opportunity to develop their music as a way to enrich their lives.

Music theory and analysis will be covered and are important to being able to connect issues to musical expression. Various classroom activities and assessments will include research, class presentations and

debates, performances, group work, listening assignments, songwriting and editing, brainstorming, practicing, compositions and recordings.

# FRENCH

Because of the variety of levels of French courses available, the following guide is provided to assist students and parents in the selection of appropriate courses in the French programs.

Generally speaking, a student will continue in the level studied, unless a recommendation by the French teacher indicates a change is appropriate. Changes in courses are carried out one level at a time, e.g.,

French Immersion to French 111 to French 112 to French 113.

The various French courses offered at Hampton High School are listed according to their decreasing level of advancement in the French language.

French Immersion

French 111

French 112

French 113

Students in the Immersion Program are encouraged to continue their program at the senior high level by taking two courses in French in each of the two years in the Graduation Program if possible.

The following are recommended course selection outlines for Immersion and Core students.

## **French Immersion LANGUAGE ARTS 110**

**Prerequisite:** Successful completion of French Immersion Language Arts in Grade 10.

This course is a continuation of and follows the same general pattern as the grade 10 course. The content of this course is based on five components: oral expression, literature, grammar, composition, and culture. This course is to be taken in conjunction with French Immersion Modern History 110.

Texts: *Thematic Units*

*Readings from various sources*

## **Post-Intensive French 110**

**Prerequisite:** Recommendation of the French teacher in Grade 10.

The emphasis of the course is aural work. More work and units are covered than in French 112. An even greater participation and effort are required.

## **FRENCH 120 (Core)**

**Prerequisite:** Successful completion of French in Grade 10.

The course is a continuation of and follows the general pattern of the French course in Grade 10. A series of units on various themes are used in conjunction with other programs and

Texts: *Thematic Units*

Readings from various sources

## **French Immersion LANGUAGE ARTS 120**

**Prerequisite:** Successful completion of Late F.I. Language Arts 110

This course is a continuation of the grade 11 course (Late Immersion) and emphasizes vocabulary building, written and oral expression, literature, grammar and culture. All these aspects are examined in context using various resources, visual and audio, a variety of contemporary written material, articles and novels from francophone countries. Emphasis is placed on oral proficiency and understanding;

therefore group work and communicative activities and projects are of great importance. **Students must take a grade twelve French course in order to do the French proficiency exam administered by the Province of New Brunswick.**

*Texts: Exercises and activities from a variety of sources*

*Two or more novels are examined*

*Numerous recent articles from newspapers and magazines are read and examined.*

*Audio and visual material from several*

### **FRENCH 121 (Core)**

**Prerequisites:** Successful completion of French 111 or a mark of 70% or greater in French 112 and a teacher recommendation.

In this course, there is a strong emphasis on oral and aural work. The class will go beyond the level of work normally covered in French 122 and the demands of the course will be correspondingly challenging.

*Texts: Mag Puce*

*Various reading including one novel*

*Thematic Units*

*Communication Activities*

### **FRENCH 122 (Core)**

**Prerequisite:** Successful completion of French 111 or 112.

**Students must take a Grade 12 French course in order to take the Government French Proficiency exam.** This is the fourth year of the regular academic program. Emphasis is placed on oral and aural aspects of the language.

*Texts: Radio Puce*

*Readings from various sources*

*Thematic Units*

*Communication Activities*

## **CULINARY TECHNOLOGY/INDIVIDUAL AND FAMILY DYNAMICS**

This concentration of courses provides training for students:

Who seek a basis for future studies in fields of social work, teaching, psychology, foods and nutrition, fashion design, housing and interior design, and many related fields or those who wish to seek employment in the hospital industry, day care, and clothing service.

### **CULINARY TECHNOLOGY 110**

**(also offered via Distance Education)**

**Lab Fee: \$20.00**

Culinary Technology 110 is an entry level hands-on food service training course. Culinary skill sets include: industry organization, standards, safety and sanitation, use of tools and equipment, and food preparation. Students will study the theory of each skill and then be encouraged to practice those skills through enterprise activities.

*Text: Culinary Essentials*

**Materials:** Students will be responsible for purchasing a hairnet, and short sleeve t-shirt in addition to the lab fee.

### **CULINARY TECHNOLOGY 120**

**Prerequisite:** Culinary Technology 110

**Lab Fee: \$20.00**

Culinary Technology 120 is a continuation of Culinary Technology 110. The grade 12 skill sets include a review of skills learned in grade 11, plus: job searching skills, large equipment, foodborne illnesses and food preparation skills. Students are encouraged to learn through enterprise activities.

Text: *Culinary Essentials*

Materials: Students will be responsible for purchasing a hairnet, and short sleeve t-shirt in addition to the lab fee.

### **INDIVIDUAL AND FAMILY DYNAMICS/FI RELATIONS FAMILIALES 120**

This is a practical day-to-day living course that studies human behavior, personality development and human relationships. Personal relationships from adolescence to adulthood are studied including dating, courtship, marriage, separation and divorce. Decisions relating to the quality of life of individuals and families are the main focus of this course. Topics to be studied include consumer issues, personal finance, housing, careers and parenting.

Text: *The Living Family*

### **FASHION DESIGN 120**

This in-depth study of fashion and the fashion industry is designed to develop the student's interest and enthusiasm for a possible career in fashion design. The course will cover topics including the social/psychological aspects of clothing, history of fashion, elements and principles of design, textiles, wardrobe planning, fashion drawing, and careers in the fashion industry.

Materials: Students will be expected to purchase materials for projects.

Texts: *Clothing Fashion, Fabrics, Construction*

Fashion: Colour, Line and Design

### **CHILD STUDIES 120**

This course is designed for students who plan to undertake further studies in this or related fields and for those who wish to expand their knowledge of the development of children. This course studies prenatal development, birth and the newborn. An emphasis is placed on the development of the child from infancy to school age including physical, social, emotional and psychological development. The quality of life and parenting issues are also examined.

Texts: *The Developing Child*

### **NUTRITION FOR HEALTHY LIVING 120**

**(also offered via Distance Education)**

This course offers a study of the significance of food; in particular Canada's Food Guide, food facts, eating disorders, fallacies, fads, and habits. Special emphasis is given to the study of nutrients; how they work in the human body, identifying the best food sources of each nutrient, and recognizing the effects of using too little or too much of a nutrient. Nutrition for Healthy Living course is an excellent introduction to any student having an interest in making better food choices or who wishes to pursue a career in nutrition or dietetics. Background in Chemistry and Biology is an asset.

Text: *Nutrition, Food and Fitness*

### **HOSPITALITY AND TOURISM 110**

**(also offered via Distance Education)**



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

## **HOUSING & INTERIOR DESIGN 120**

Housing and Interior Design 120 is designed to show the relationship between different types of housing and the housing needs of individuals, families and communities. The influences of cultural, psychological and aesthetic aspects of housing are examined. The value of creativity and individuality in a living environment is an important element of the course.

Course topics will include:

- \* cultural differences in housing – differences in housing styles around the world
- \* architectural design features of historical and modern homes
- \* financial and legal costs and requirements - buying, renting, mortgages
- \* basic floor plans, traffic patterns and furniture arrangement
- \* principles and elements of design in decorating houses (lighting, color, fabric, floor and wall coverings, decorative items etc.)

Text: *Homes Today and Tomorrow*

Note: This course would be of interest to students interested in the field of architectural design, interior decorating and Home Economics.

# MATHEMATICS

Please note:

Students are required to take only one semester of grade 11 Math to graduate. It should be noted that, for any students intending to pursue post-secondary studies at university or community college, it is recommended that both Semesters of Grade 11 Math be taken.

## **FINANCIAL AND WORKPLACE MATHEMATICS**

This pathway is designed for students who plan to directly enter the workforce or take post-secondary courses that require applied mathematical skills.

### **Financial and Workplace Mathematics 11**

Length: 1 semester

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

Topics: personal budgets, investment portfolios, renting and buying, slope and rate of change, scale, statistics.

Required for programs such as: Early childhood education, Firefighting, Drafting, Welding, Plumbing, Carpentry, Cosmetology, Bachelor of Arts and Fine Arts.

### **Financial and Workplace Mathematics 12**

Length: 1 Semester

**Prerequisite:** Financial and Workplace Mathematics 11

Topics: measurements and instruments, sine and cosine laws, transformations, business (sales, profits, loss), linear relations, statistics, percentiles, probability, analysis of puzzles and games.

Required for such courses as: Culinary Arts, Graphic Design

## **FOUNDATIONS OF MATHEMATICS**

This pathway is designed for students who plan to take post-secondary courses that do not require calculus.

### **Foundations of Mathematics 11**

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

Topics: analysis of puzzles and games, properties of angles and triangles, cosine and sine laws, linear inequalities, quadratic functions, rates, relationship among scale factors, renting and buying, investment portfolios (rate of return).

Required for programs such as: College: medical laboratory technology, business administration, practical nursing. Bachelor Degrees in Arts and Fine Arts.

### **Foundations of Mathematics 12**

Length: 1 semester

**Prerequisites:** Foundations of Mathematics 11

Topics: Statistics (standard deviation, confidence intervals), logical reasoning, set theory, probability (permutations and combinations), binomial theorem, polynomial functions, exponential and logarithmic functions, sinusoidal functions.

Required for programs such as : College: engineering technology, computer technician, pharmacy technology. Bachelor Degrees in : Nursing, Business Administration, Economics, Kinesiology, Psychology.

## **PRE-CALCULUS 110**

This pathway is designed for students who plan to take post-secondary courses that require calculus.

### **Pre-Calculus 11**

**Length:** 1 semester

**Prerequisite:** Foundations of Mathematics 11

**Topics:** absolute value functions, radical expressions and equations, trigonometric ratios, polynomial factoring, linear inequalities, quadratic functions and inequalities.

**Required for such programs as:** College engineering and environmental technology and other programs that require more theoretical mathematics.

## **Pre- Calculus 12A**

**Length:** 1 semester

**Prerequisite:** Pre-Calculus 11

**Topics:** graphs of functions and their related equations (operations, translations, stretches), logarithms , logarithmic functions and equations, trigonometric reasoning(ratios, sine, cosine, tangents, equations and identities)

**Required for programs such as:** Most programs that require Pre-Calculus A also require Pre-Calculus B.

## **Pre- Calculus 12B**

Length: 1 semester

**Prerequisite:** Pre- Calculus 12A

**Topics:** arithmetic and geometric sequences, polynomials(factoring and functions), other functions(radical, reciprocal, rational), limits of functions.

**Required for such programs as:** Bachelor Degrees: Science, Engineering, Mathematics, Computer Science.

## **AP CALCULUS 120 (Advanced Placement)**

**Length:** 1 semester

**Prerequisite:** AP Pre-Calculus 12B

An in depth high school Calculus course designed to prepare students to write the Advanced Placement Exam. This course offers students the opportunity to challenge for a university credit by writing the external AP exam in May. Students are not required to write this external exam in order to receive credit for this high school course. To enroll in this course students must also be registered for AP Pre-Calculus 12B in semester 1, followed by this course in semester 2.

# SCIENCE

With increased emphasis on science and technology, the High School Science Program continues to offer a variety of strong science courses. It is the aim of these courses to increase student awareness of the relationships between science, technology, society and the environment.

Level 1 courses are designed for students with a particular interest and ability in the sciences. In each case the course content is similar to that of the corresponding level 2 program; however opportunity is provided for greater depth of study of the topics, additional laboratory experimentation and independent work. Acceptance requires recommendation of the subject teacher.

A minimum enrollment is required for a level 1 course to be offered. If this number is not reached, registrants will automatically be scheduled for the corresponding level 2 program.

In order to graduate, a student must have a minimum of one science credit.

**Note to students taking Physics and Chemistry:**

**It is recommended that students take:**

**Physics 11 and/or Chemistry 11 in grade 11.**

**Physics 12 and/or Chemistry 12 in grade 12.**

**\*Students may take Chemistry 111 or 112 as their grade 10 elective with the approval of their grade 9 science teacher.**

**CHEMISTRY 111-112**

**(111 also offered via Distance Education)**

**Prerequisite:** Successful completion of Grade 10 Science (\*Chemistry 111 requires 80% or above in Science 10 + teacher recommendation) and Geometry, Measurement & Finance 10. Number, Relations and Functions 10 is a co-requisite.

This course is a college preparation course used as an entrance requirement for science related university courses, as well as community colleges and nursing programs. It is the first of two chemistry courses. The course will cover chemical nomenclature, chemical reactions, quantitative changes in chemical reactions, gas laws, solutions, and structures and properties of molecules.

The accompanying laboratory program will familiarize students with lab safety, a variety of lab apparatus and lab techniques. Research and essay writing on various science topics and other chemistry challenges will be part of the course. Text: *Prentice Hall, Chemistry*

**CHEMISTRY 121-122**

**(121 also offered via Distance Education)**

**Prerequisite:** Chemistry 111/112

**Corequisite:** Foundations of Mathematics 110

This is the second part of the chemistry college preparatory program. This course will cover organic chemistry, thermochemistry, chemical kinetics, and acids and bases. Research and essay writing on various science topics and other chemistry challenges will be part of the course. The laboratory program will continue with the same objectives as the Chemistry 111/112 program and expand on the safe use and handling of chemicals and lab apparatus.

Chemistry 121 students are required to complete a term project and cover an additional unit on oxidation and reduction.

Text: *Prentice Hall, Chemistry*

**PHYSICS 111-112**

**(also offered via Distance Education)**

**Prerequisite:** Grade 10 Science, a minimum of 80% in both Geometry, Measurement & Finance 10 AND Number, Relations and Functions 10 and a recommendation from a math teacher. Foundations of Mathematics 110 is a **Co-requisite**.

This course will study the relationship between Force and Motion using vector analysis. Laboratory work is an integral part of the program. This course has a strong emphasis on applications to the physical world in which we live and students who take this should have a **strong foundation in mathematics**. Physics 111 will cover more topics in more detail.

Text: *Physics: McGraw-Hill Ryerson*

**PHYSICS 121-122**

**(also offered via Distance Education)**

**Prerequisite:** Physics 112 or 111 and Foundations of Mathematics 110

This is the second course in a two year program that will deal with the study of energy. Concepts from Physics 112/111 about motion will be applied to the following topics: wave motion, sound, optics, electricity, electro statics, and electromagnetism. Laboratory work is an integral part of the program. Physics 121 will cover more topics in more detail.

**NOT RECOMMENDED TO BE TAKEN IN THE SAME YEAR AS CHEMISTRY 111-112.**

Text: *Physics: McGraw-Hill Ryerson*

## **SCIENCE 122**

**Prerequisites:** Physics 112 or 111 & 122 or 121

Chemistry 112 or 111 & 122 or 121

This course is a continuation of Physics 122/121 and Chemistry 122/121 for students wishing to further their understanding of the physical world. It is strongly recommended for anyone pursuing either Topics covered in the Physics section will be Uniform Circular Motion, Newton's Law of Gravitational Attraction, Kepler's Laws of Planetary Motion, Cosmology, and Geometric Optics. Laboratory work will be an integral part of the course.

Topics covered in the Chemistry section will be acids, bases, buffers, electrochemistry, gas laws, nuclear chemistry, and the periodic table. The laboratory program will further develop skills and understanding of lab techniques and the safe handling of chemicals. The labs associated with this program will be more challenging than in previous courses.

Text: *Physics: Principles and Problems (Merrill)*

*Nelson Chemistry (Nelson/Addison-Wesley)*

## **ENVIRONMENTAL STUDIES 121**

***(offered via Distance Education only)***

Topics range from ecological concepts (ecosystem structures, functions and changes) to topics concerning the urban and global environments. Students required to critically think, analyze and creatively problem solve.

Note: Credit accepted as a first year course credit by Mount Allison University, Sackville, New Brunswick.

## **INTRODUCTION TO ENVIRONMENTAL SCIENCE 120**

**Prerequisite:** Science 10

This is a general course designed for students in their eleventh or twelfth year who wish to become more familiar with their environment. Emphasis is placed on participation in classroom activities. Topics covered include: what is the environment, attitudes to the environment, natural resources, ecosystems, populations, sustainable development, and current environmental problems.

Text: *Environmental Science: How the World Works and Your Place In It!*

## **PHYSICAL SCIENCE 110**

**(Local Option)**

This a general course designed for students in Grade 11 or Grade 12 who wish to further their study of Physical Science. Major topics to be covered will include Science of Sound and Music, Light-how mirrors and lens work, how the human eye works and defects of the eye, how televisions work, what is "LCD" TV and "Plasma" TV. Other topics include Electricity and Electro-Magnetism, DC and AC current, electric motors, generators and transformers. This is a „hands-on“ course with minimal mathematics and extensive laboratory and project work.

Text: *Physics: A Human Endeavour*

### **BIOLOGY 113**

**Prerequisite:** Science 10

This course should be selected by students who want to gain a general knowledge of the functioning of the human body. Major topics covered are: nutrition, digestion, transport, nervous coordination, and reproduction. Some laboratory work is included as part of the course. Individual projects may also be assigned. Good study skills are an asset to prospective students.

Text: *Globe Biology: Bernstein*

### **BIOLOGY 111-112**

**Prerequisite:** Grade 10 Science and Geometry, Measurement & Finance 10. Numbers, Relations and Functions 10 is a co-requisite. Biology 111 must have a minimum of 80% in Grade 10 Science.

This is a course that emphasizes the knowledge, skill, and STSE (Science, Technology, Society and the Environment) connections among the following topics; structure of cells; classification of living things; flow of matter and energy in organisms and the biosphere; photosynthesis and respiration; digestive, respiratory, excretory and circulatory systems; blood and immunity. Laboratory work is an important component of this program.

Text: *Prentice Hall Biology*

### **BIOLOGY 121/122**

**(also offered via Distance Education)**

**Prerequisite:** Biology 111/112

**Corequisite:** Foundations of Mathematics 110

This course is a continuation of Biology 111/112. Biology 121/122 is a senior level college preparatory course. It is recommended that students taking this course have a strong science background. Additional science courses, especially Chemistry 112, would be helpful.

Biology 121/122 is a laboratory-oriented course that emphasizes knowledge, skills and STSE connections among the following topics: biomolecules; nervous and hormonal control systems; human reproductive system; heredity and the molecular basis of inheritance by DNA; genetics. Laboratory work is an important component of this program.

Text: *Prentice Hall Biology*

### **BIOLOGY 120AP**

**Prerequisite:** Biology 111/112

AP Courses are designed to be equivalent to a two semester college introductory science course. The class is conducted at the college level and students are expected to work accordingly. AP Science courses differ significantly from a traditional high school science course due to the content, depth of material covered, lab work, and time and effort required to achieve mastery in this subject area. Upon completion of Biology 120AP students have the option of writing the Advanced Placement exam in May.

## **ADVANCED PLACEMENT (AP) PSYCHOLOGY**

**Prerequisite:** English 111/112 part A or B and a minimum 80% overall average

This course introduces the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to psychological facts, principles, and phenomena within the major subfields of psychology.

Methodology and practices are also addressed. Advanced Placement is a program of study offered worldwide; it offers interested students the opportunity to challenge for credit in a university level course by writing an internationally recognized exam in May. Students must pay a fee in order to write this exam. Students are not required to write the AP exam in order to gain a school-based credit. In addition, students registering for this course must attend two after school sessions of about 2 hours each prior to the course beginning in second semester.

Text: *Wayne Weiten's Psychology: Themes and Variations 6<sup>th</sup> edition*

# PHYSICAL EDUCATION

## **OUTDOOR PURSUITS 110**

**Prerequisite:** Successful completion of Grade 10 physical education and acceptance of your **application** to this course. (available in Guidance)

Outdoor pursuits is an activity-based course, to help develop personal recreation skills based on environmental ethics. This course is open to all students who have successfully completed the prerequisites. This course will take advantage of local outdoor facilities. Activities could include archery, snowshoeing, orienteering, cross country skiing, C.P.R., as well as a variety of individual and group activities. Students must be prepared to plan and lead a number of these activities.

Text: *The Physical Education Handbook, Concepts in Physical Education and other related texts*

## **PHYSICAL EDUCATION LEADERSHIP 120**

**Prerequisite:** Grade 10 Physical Education

This course is an elective one for students with special interest in the theories of Physical Education and Recreation, combined with a desire to develop leadership skills which will enable them to translate their interests into dynamic personal involvement in the community. Students are **required to apply** for admission to the course, and applications are screened by a committee representing the Physical Education staff and the Administration of the school. This course consists of units in management of athletic events, teaching, coaching, officiating, sports in contemporary society, and selected health topics.

**As a member of the PE 120 Leadership Class, each student must achieve a minimum number of 30 leadership hours.** These hours place the student in a responsible role in the community, helping them better understand the need for leaders and their individual potential as leaders.

There are no official texts for this course. Resource texts

## **WELLNESS THROUGH PHYSICAL EDUCATION 110**

**Prerequisite:** Grade 9/10 Physical Education and Health

The goal of the *Wellness Through Physical Education* curriculum is to promote healthy active living for life. Students are expected to create and implement a personal healthy active living plan. The course is intended to allow a broad-based exploration of different activities and the development of a personalized plan. As a result the course will offer a range of activities. Students will apply knowledge of wellness concepts to the creation of a personal physical activity and healthy eating plan. The course will be for students who want to build on the grade 9/10 foundation and further personalize the experience for themselves. The course is based on the wellness continuum and principles of fitness and nutrition.  
Text: *Healthy Active Living*

### **YOGA 110 (Local Option)**

Yoga 11 will examine various styles and characteristics of yoga. It is an expectation that students will develop their personal practice of yoga that can be pursued over the long term for personal fitness and recreation. Students will be participating in a variety of activities that will include both physical practice and classroom theory. The physical practice of yoga will include learning, developing, and practicing skills that involve strength, flexibility, endurance, balance, poise, regulation of energy, and mental focus, all of which apply to other physical activities. Classroom sessions educate students about the relationship between nutrition and fitness, the history and philosophy of yoga including values of non-violence, ethics, honesty and respect in the context of challenging physical activity.

# SOCIAL STUDIES

The social sciences program at Hampton High School is designed to provide students with the opportunity to explore concepts and issues that enhance their understanding of the world. Students are required to interact with the material, to analyze, to interpret, to synthesize, and to report their findings. The grade nine social studies (*Canadian Identity*) and the grade ten social studies (*Ancient and Medieval History*) courses offer a foundation from which to leap into the more specialized courses of grades eleven and twelve. Teachers begin each course with a review of Canadian and world geography. Then, relevant concepts and issues are explored through an application of specific skills. The teachers in the Social Sciences Department endeavour to impress upon students the importance of “bridging the gap” between classroom learning and what is occurring outside of the classroom. An explicit articulation of and direct participation in human rights-related activities are a major part of the program. A variety of resources from guests to primary and secondary sources and through seminar and forum formats, students further explore significant issues leading them to a sense that they should become informed and participatory citizens. Level two courses are designed for students planning to attend a post-secondary institution. All students are required to complete one grade 11 Modern History course.

### **MODERN HISTORY 111**

**Prerequisite:** Social Studies – Grade 10

Focus is on revolutionary changes in Western society since the 18th century while requiring students to practice research, writing and discussion skills in a series of major assignments.

### **MODERN HISTORY 112**

**Prerequisite:** Social Studies – Grade 10 (Ancient and Medieval History)



Modern History is a challenging course designed for students intending to go on to post-secondary education. Students will be required to read and write extensively. The students will begin the course with a review of world geography. Building upon the knowledge gained in their grades 9 and 10 Social Studies courses, students continue to shape their views of the world through the study of the following topics: the French Revolution, the Industrial Revolution, Nationalism, the Great War, the inter-war years, Totalitarianism, World War II and the Holocaust, the UN, Cold War conflicts, and contemporary challenges. The students are taught a number of skills that are applied in a variety of related contexts enabling them to extract and interpret meaning. Students will be required to interact with a variety of primary and secondary sources, newspapers, and guests.

Resources: Text – World History, Glencoe McGraw-Hill, 2010 , newspapers, biographies, primary sources, secondary sources, maps and films.

### **French Immersion MODERN HISTORY 112**

**Prerequisite:** French Immersion Social Studies 10

Other than the fact that all students in this course are required to function in French (a percentage of the final mark will reflect the students participation in French), the course is identical to the 112 Modern History course.

Resources: Text – *Les Grands Courants de l'Histoire Moderne*. Trueman et al., same as 112 Modern History.

### **MODERN HISTORY 113**

**(also offered via Distance Education)**

**Prerequisite:** Social Studies 10

This course is designed for students who are not intending to go to university. After a review of Canadian and World geography, the course covers significant events throughout the twentieth century. Some of the events to be studied are: Industrialization, World War I, Life in the 20's and 30's, World War II, the Holocaust, the UN, and Cold War conflicts. Students will examine a variety of documents and films that deal with these events. The course offers students the opportunity to become more familiar with some of the people who have influenced the shape of the national and international landscape: Pearson, Gandhi, Mandela, Hitler, Humphrey, Kennedy, Regan, Gorbachev, etc.

Resources: Text – *A History of the Twentieth Century*, other resources – same as MH 112

### **SOCIOLOGY 120**

**Prerequisite:** Modern History 112

This course is designed to increase awareness of how humans develop as social beings and how societies evolve and change over time. Students will also study cultural origins and existing social patterns. Areas of study will include the social problems presently confronting Canadian society such as crime, race, ethnic relations, urbanization, and poverty. Students will be required to present reports and to prepare presentations that deal with these topics and that demonstrate an ability to analyze issues that are related to each.

### **ECONOMICS 120**

**(also offered via Distance Education)**

**Prerequisite:** Modern History or FI equivalent.

Economics provides an introduction to many economic concepts and theories. Examples of areas of study include: scarcity of goods and how they are distributed, forms of business ownership, the theories of supply and demand, distribution of income, money and banking, and inflation.

*Resources: Text – Economics for Canadians*, Thexton, 1988. Students will be assigned other readings.  
Note: This course is recognized as a university entrance course.

### **POLITICAL SCIENCE 122**

**(Prerequisite for the AP History Course)**

**(also offered via Distance Education)**

**Prerequisite:** Modern History 112, or FI equivalent

This course serves a dual purpose: it will be a **prerequisite course for the AP History course and it will target the outcomes for the 120 Political Science course.**

The course is a survey of history that covers political science concepts as they appear in the context of history. For example, when discussing Athenian Democracy, the students will learn about the Canadian parliamentary and electoral systems. They will engage in studies that compare and contrast political structures of the past with those of today. The course continues with a review of Canadian, European, world geography and ancient and medieval history. It then progresses through a series of units that cover the time period from the end of the middle ages to the present.

*Resources: A History of the Modern World*, Palmer et al. and *Ideologies*

Note: Please refer to the AP European History course description below for more details. This course is recognized as a university entrance course.

### **ADVANCED PLACEMENT (AP) HISTORY – EUROPEAN HISTORY**

**Students wishing to take this course must have completed the prerequisite course 122 Political Science and have the permission of the Department Head.**

The study of European history since 1450 introduces students to cultural, economic, political and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Students interested in applying for this course must have achieved a minimum of 75% as a final mark in other history courses including the prerequisite Political Science 122.

### **CANADIAN GEOGRAPHY 120**

**(also offered via Distance Education)**

**Prerequisite:** Modern History or FI equivalent.

This course is designed for students of all abilities and follows a practical or hands-on approach to learning geography. Students will have the opportunity to discover how the Canadian physical, social, political, and cultural landscape came to be. The students will examine, through the use of several resources, many of the factors that have influenced the shape of the environment in which we live and how the environment has affected the way that Canadians live. Some of the topics of study include:

1. the study and creation of maps and globes – latitude, longitude, hemispheres, poles, equator, tropics, perspective, etc.)
2. Canada's landform regions – Precambrian Shield, Great Plains, Western Cordillera, Great Lakes, St. Lawrence Lowland, Appalachians, North Mountain and Lowlands.
3. the process of folding and faulting

4. plate tectonics
5. the rock cycle – igneous, sedimentary, metamorphic
6. the erosion cycle
7. weather and climate
8. an examination of Canada’s diverse population – the relationship between people and land, immigration and migration
9. the aboriginal people and settlement, migration, and lifestyles
10. the environment and land use - mining, fishing, forestry, energy

Resources: Text – *Canada – Exploring New Directions*, Swatridge, 1994. A variety of readings and sources are used.

### **PHYSICAL GEOGRAPHY 110**

***(offered via Distance Education only)***

**Prerequisite:** Geometry, Measurement and Finance 10

Physical Geography 110 is considered both a science and a social studies credit. It introduces students to the earth's physical systems. A general introduction is followed by studies of the universe, the earth in space, map reading and imagery interpretation. Students may then decide to study either climate or geology. Climate includes the study of weather systems, weather maps and forecasting as well as the world's natural regions. Geology includes, among other topics, the study of continental drift, volcanoes, earthquakes and weathering. Weekly assignments must be submitted and tests will be written as each unit is completed.

*Resources: Text – Planet Earth: A Physical Geography*

### **WORLD ISSUES 120**

***(offered via Distance Education)***

**Prerequisite:** Modern History 112 or FI equivalent.

The need for an education that promotes a global perspective has become increasingly apparent. There is a growing sense that many of the challenges that we face are global in nature and require a degree of international cooperation in order to arrive at some of the solutions. The course begins with a review of Canadian and world geography and then progresses into some of the key concepts and issues that enable our students to enhance their understanding of Canada and Canada’s place within the global context. Some of the units of study in World Issues are:

- the interconnected nature of national and international institutions (governments, non-governmental organizations, the UN, NATO, IMF, WTO, the Commonwealth, etc.)
- geo-politics - an examination of how geography contributes to the nature of the political climate around the world (significant case studies are used in order to clarify this notion)
- the forces that have combined to create the notion of a “Global Village” (domestic and foreign aid, human rights considerations, migration, immigration, refugees, etc.)
- issues: population dynamics, climate, belief systems, development, etc.

Resources: Text – *World Issues in the Global Community*, Harshmen, a variety of primary and secondary sources, maps, documents, conventions, protocols, etc.

Note: This course is recognized by U.N.B. for university entrance.

### **LAW 120**

***(also offered via Distance Education)***

**Prerequisite:** Modern History or French Immersion equivalent

This course is offered to grade 11 or 12 students. It provides a general introduction to both criminal and civil legal principles, issues and concepts. The major topics covered are the foundations of criminal and civil law plus optional units. Students will also learn about the Canadian Charter of Rights and Freedoms and its applications shape and affect contemporary Canadian society.

Resources: Text - *All About Law*, primary and secondary sources, transcripts, documents, newspapers  
Note: This course is recognized as a university entrance requirement.

**French Immersion LAW 120**  
**(offered via Distance Education only)**

**Prerequisite:** French Immersion background

Introduces students to general concepts of the law and the courts. Areas of study include the origins of the Canadian legal system, criminal law, civil and human rights and torts/civil law. Case studies are used to illustrate situations within these areas of law. Students will communicate with the distance facilitator using email and chat. Communication will also involve an oral component, using Interwise, to increase students' aural communication skills.

Resources: list available online

**CANADIAN HISTORY 122**  
**(also offered via Distance Education)**

**Prerequisite:** Modern History 112, or FI equivalent.

Students will review Canadian and world geography to begin the course. The course then leads students through a survey of some of the major events that have shaped the political, social, economic, and cultural institutions of the country: the founding nations, the American Revolution, Loyalists, the War of 1812, the Rebellions of 1837, Responsible Government, Confederation, Canada's role in both world wars, and Peacekeeping. Students are then required to study contemporary Canadian society and Canada's place within the global context by analyzing resources (films, documents, texts, newspaper articles, parliamentary sources, statements of guests, etc.) that shed light on some of the information relating to these major contemporary issues.

Resources: Text - *Canada: A North American Nation*, other resources – as indicated for other SS courses.

Note: This course is recognized as a university entrance course.

# Focus on Information Technology

## Developing tomorrow's workforce today



Information and Communications  
Technology Council



### What is FIT?

The Focus on Information Technology (FIT) pro-gram was developed in 2001 by the Information and Communications Technology Council (ICTC). FIT is a Canada wide program for grade 11 and 12 students. It was designed to prepare students for a world that runs on computers. It provides high school graduates with technology and business /entrepreneurial skills and with essential workplace skills and experience.

### The FIT program focuses on developing:

- PC maintenance skills
- Network support capability
- Technical proficiency
- Employability/essential skills
- Business/entrepreneurship aptitude

### How Does FIT Work?

Without taking on any extra course load, you can obtain your FIT certification. The FIT program uses regular high school courses in business, co-op and technology to provide you with the skills you will need for a career in information technology.

## How the FIT Program Works Follow the path to success in Information Technology

Students complete courses in two general areas and one specialized area (called a Concentration). While it's suggested the general skills courses be completed first, this is not a requirement. They can be completed in any order.  
When awarded, the FIT certificate will indicate which concentration was selected.



**Beyond the Basics**  
The FIT experience can also be extended through the co-op program, paid work experience or through the completion of industry certifications (e.g. Java, Microsoft Office Specialist). Check the "Levels of Certification" section on the other side of this brochure.

General Skills Part of all FIT programs		Four Areas of Concentration Find the FIT that's right for you			
<b>General Technical</b>  Course: Information Technology 120  General technical competencies introduce students to the full range of ICT work and how it supports/facilitates all types of organizations in achieving their goals.	<b>General Business</b>  Course: Business Organization and Management 120  General business competencies help develop students' abilities to work in all types of organizations in a business-like manner.	<b>Business and Information Analysis</b>  Course: Entrepreneurship 110  Develop competencies to work as a business, systems or information analyst or architect. You will combine enhanced business competencies with technical skills to analyze business needs and problems and propose solutions that incorporate technology effectively.	<b>Software Design and Development</b>  Course: Computer Science 110  Deepen your technology skills, especially in the areas of solution design, integration, programming and data base development. This concentration focuses on guiding you to use technical competencies to develop applications and systems to help solve real world problems.	<b>Network and Systems Operations</b>  Course: Technical Support 110  Develop skills in running the technical and communications platforms that are central to the operations of most organizations. You will operate mission-critical hardware and software, solve real time problems and develop solutions to connect people to an organization's products and services.	<b>Interactive Media</b>  Course: Digital Technologies 120  Develop competencies to work in the rapidly growing online world, including web design and development, social and mobile media, interactive games and e-commerce. Blend business, technology, and artistic skills to address the important new opportunities organizations are facing in the online world.

# TECHNOLOGY

Many of the technology courses are accepted by the U.N.B. Engineering faculty for admission requirements. Consult with guidance for details.

## **APPLIED TECHNOLOGY 110**

This is practical “hands on” course that allows a student to sample a variety of trades and technology fields using a modular approach. Students must complete and submit an **application** in order to be considered. In this exploratory setting, students will work in pairs to complete a variety of modules including carpentry, woodworking, electrical wiring, plumbing, drywall, concrete work, electronics, robotics and pneumatics.

This course will appeal to students who enjoy working with tools and materials, to those who would like to use it as a career exploration opportunity and to those who plan on post- secondary education in trades and technology fields.

**Note:** there is a lab fee associated with this course and as well, enrollment is limited (18) and competitive. Preference will be given to those students that demonstrate a mature attitude, have a good attendance record and have a reasonable academic record. To be successful in this course, students need to be able to read and comprehend instructions provided in module booklets and other technical publications or books.

## **COMPUTER AIDED DESIGN 110**

*(also offered via Distance Education)*

**Lab Fee: \$5.00**

This is a mechanical drafting course that teaches students how to develop machine drawings through sketching and computer software. Students will develop skill in reading and developing blueprints as well as skill in the operation of AutoCAD LT.

This course will appeal to students who enjoy computers and detail work and will be of particular value to those students who plan to pursue a career in engineering, technology or in the trade areas.

## **COMPUTER SCIENCE 110**

*(\*\*Counts toward FIT Certificate) (offered via Distance Education only)*

The objectives of this course are to introduce students to the world of computers and their impact on society, computer science concepts, and fundamental problem solving skills. Course emphasis is on using Visual Basic computer language and problem solving skills. Students will acquire the skills needed to write computer programs and solve computer related problems. Students may have the opportunity to become acquainted with other computer languages.

*Text: Use On-line Courseware*

## **INTRODUCTORY ELECTRONICS 110**

*(also offered via Distance Education)*

**Lab Fee: \$10.00**

This course teaches analogue electronics from basic electricity theory to constructing regulated power supplies. All of the concepts are taught through experiments and lab work. Working in pairs, students will construct and test circuits using electrical components such as resistors, diodes, transformers, capacitors, LED's, relays and transistors.

This course will be of interest to those students with a career objective in electrical and automotive trades, many engineering technician and technology fields or electrical/electronics engineering.  
Text: *Introduction to Electronics*.

**TECHNICAL SUPPORT 110**  
**(\*\*Counts toward FIT Certificate)**  
**Lab Fee: \$5.00**

The Tech Support course is an in depth exposure in computer hardware and operating systems. Students will learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands on activities and labs, students will learn how to disassemble and assemble computers, configure a computer, install operating systems and software and also troubleshoot hardware and software problems. In addition, there will be instruction on networking and communication skills. This course will help students prepare for CompTIA's A+ certification. The course is mostly on-line provided through Cisco Systems Networking Academy as well as hands on in the lab.

**DIGITAL PRODUCTION 120**  
**(\*\*Counts toward FIT Certificate)**  
**(Also offered via Distance Education)**

Digital Production 120 is a skills-based course designed for self-paced interactive learning. Students will study Web development, digital imaging, digital animation and digital audio. The skills that are developed will allow students to build complex Web and multimedia productions.

**DRAFTING - COMPUTER GRAPHICS 120**  
**Prerequisite:** Computer Aided Design 110  
**Lab Fee: \$5.00**

This is an architectural drafting course that teaches students about residential design and construction methods. Students will produce a series of house plans including a plot plan, foundation plan, wall section, elevation drawings and detail drawings for items such as stairways, electrical wiring plans and cornice work.

Students in this course are taught how to interpret regulations in the National Building Code, to be able to compare and contrast variations in building technique regarding issues such as insulating and waterproofing and to recognize quality construction.

This course will appeal to students who enjoy computers and detail work and will be of particular value to those students who plan to pursue a career in engineering, technology or the construction trades.

Text: *Design for Residential Construction*

**INFORMATION TECHNOLOGY 120**  
**(\*\*Necessary for FIT Certificate)**  
**(Also offered via Distance Education)**

Prerequisite: none

Information Technology 120 focuses on two major learning modules: Windows and Microsoft Office. Each of the modules is broken into sections, which when completed, will provide the student with a good understanding and introduction to the overall operations of a computer system and to some of the available software applications and functions of the computing environment.

**MILL AND CABINET WORK 120**  
**Lab Fee: \$12.00**

This is a finish woodworking course in which students will develop the necessary skills, knowledge and work habits required to work with woodworking tools and machines. Students, through a series of projects, will be involved with several wood milling operations including planning and estimating.

This course will be of benefit to those students interested in entering the construction or woodworking occupations as well as for those with a general interest in woodworking.

\*An **application** form, available from the Guidance Office is required.

### **MICRO ELECTRONICS 120**

**Lab Fee: \$10.00**

This course teaches digital electronics. Through lab work, students progress from the study and construction of basic logic circuits to combination and sequential circuits. Students will develop skills in testing, designing and wiring circuits. Trouble shooting and problem solving skills are developed as well.

In this course, students work in pairs and cover the course material through a series of practical labs and experiments. The labs allow a self-paced approach, which offers motivated students the opportunity to advance at a quicker pace and to participate in enriched labs.

This course is of value to students who plan to pursue a career in one of the many technology, trades and engineering fields that electronics plays a part in.

*Text: Digital Electronics*

### **FRAMING & SHEATHING 110**

**Lab Fee: \$10.00**

This course gives students an opportunity to learn about wood-frame house construction. Through the construction of baby barns and/or garden sheds, students learn about "framing-in" a residential home which includes the framing and sheathing of the floor, the walls and the roof. These projects will involve the combining of practical and academic skills which include: construction methods, building codes, materials selection and handling, hand and power tool operation, safety, blueprint reading, measurement, layout and, project planning.

This course will be of interest to students who enjoy hands-on skills and it will be of particular interest to those students wanting to pursue a career in carpentry or any of the construction trades.

Enrollment is limited and students **must** complete an application form which is available in the Guidance office.

Texts: Canadian Wood Frame House Construction  
Carpentry and Building Construction  
National Building Code of Canada

### **Residential Finish 120**

**Lab Fee: \$12.00**

This is a finish woodworking course in which students will develop the necessary skills, knowledge and work-habits required to work with woodworking tools and machines, as they apply to finish carpentry techniques. Framing and Sheathing techniques will be explored initially, to help develop student understanding of various building and construction methods. Students, through a series of projects, will be involved with several wood milling operations including planning and estimating.

Drywall, wood technology, insulation and energy efficiency topics will also be explored. This course will be of benefit to those students interested in entering the construction or woodworking occupations, wood technology programs, as well as for those with a general interest in woodworking.

\*An **application form**, available from the Guidance office, is required.



# LANGUAGES

## **MI'KMAQ 110**

*(offered via Distance Education only)*

Prerequisite: none

In Mi'kmaq 110, students learn to read and write in Mi'kmaq using the Francis Smith writing system. Introductory lessons focus on the letters and their corresponding sounds. Later lessons include pronouns, forming the possessive and verb conjugation. Basic vocabulary is introduced throughout the course. Students will be provided with opportunities to practice their newly acquired skills through dictations, question sheets and online activities.

## **SPANISH 110**

*(also offered via Distance Education)*

Spanish 110 employs an interactive tutorial method of course delivery to introduce students to the basic elements of the Spanish language and Hispanic culture. This is an introductory course where basic grammar is studied while a great deal of the work is orally based. Students must be willing to fully participate in communicative exercises. Video presentations, films and dialogues contribute to make this a very active learning experience.

## **SPANISH 120**

*(offered via Distance Education only)*

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

# INDEPENDENT STUDY

Students can make application for an independent study credit in grade 11 or 12. An independent study course may include:

- a prescribed course in New Brunswick
- a topic or theme that extends the curriculum of a prescribed course
- a topic or theme chosen by a student that includes work that combines a number of disciplines or fields

Students must complete a comprehensive application form outlining their course of study, and identify a teacher to act as a supervisor.

Applications can be submitted twice per year - once in the spring for the upcoming fall, and once late in the fall prior to Semester Two.

Courses developed as independent study credits are similar to a regularly scheduled course in duration and workload.

All applications are reviewed by a school committee and students are notified of the approval or rejection

# DISTANCE EDUCATION

Hampton High School also offers on-line courses through a distance education program. Distance Education is recognized as also being referred to as Desire-2-Learn, or D2L, and New Brunswick Virtual High School, or NBVHS.

New Brunswick 's Distance Learning program offers expanded learning opportunities to all New Brunswick high school students by allowing students access to courses that, because of scheduling conflicts, illness or limited course availability in their own schools, might not otherwise be available to them.

Further info see Guidance Department

## **ENROLLMENT IN DISTANCE EDUCATION COURSES**

Student enrollment and registration is, cooperatively, under the guise of the D2L Registrar and the Guidance Counselor. It is the responsibility of the student to ensure that the application package is completed.

Distance Education registrations will be in line with the school course calendar and follow the school's registration policy. Exceptions to the established deadlines will be assessed on an individual basis by Guidance and the D2L Registrar.

Semester 1 & 2

- The last day for D2L Application submissions is two school days following the deadline for in- school course registrations.
- The last day for D2L course changes and withdrawals is two weeks following registration.

## EDUCATIONAL SUPPORT SERVICES RESOURCE AND GUIDANCE (ESS-R, ESS-G)

### **HOME/HOME - HOSPITAL TUTORING PROGRAM**

This program is available for any student who is medically/physically unable to attend school in excess of two weeks. A tutor is sent to the home for a limited time to aid the student in maintaining his academic levels.

### **EDUCATIONAL SUPPORT SERVICES – RESOURCE (ESS-R)**

ESS-R provides support to students with a wide range of special needs including learning disabilities of an intellectual, physical, sensory, emotional or behavioral nature.

Resource teachers work with students who have been referred from the middle schools and/or their present school. They also work with smaller groups of students on skill development and learning strategies to support the regular curriculum. Consultation with teachers and parents is an important component of the program.

The development of a Personalized Learning Plan (PLP) is divided among the Resource teachers by grade; one handles grade 9, one handles grade 10 and one handles grade 11 and one handles grade 12. A PLP is used in the program planning for students who have specific learning needs. Planning may include accommodations or modifications of the regular program or individualized program. Accommodations could be provided through direct support (indicates the student is provided with accommodations in the classroom as well as individual/small group) or indirect support (indicates the student is provided with accommodations in the classroom).

### **LEARNING STRATEGIES INTERVENTION PROGRAM**

When students reach grade eleven and twelve, those who have had prior Resource support because of learning difficulties may opt for the Learning Strategies Program which is offered as a credit course. The program stresses the development of skills in the areas of reading, writing, and study skills as well as the skills necessary to help with the transition process from high school to post-secondary education or the work place.

### **EDUCATIONAL SUPPORT SERVICES – GUIDANCE (ESS-G)**

One full-time and one part-time Guidance Counselor are involved in ongoing educational, career, personal and social counseling for individual students and/or groups. The counselors also consult and co-ordinate with teachers, parents, administrators, and the community in the interest of the individual needs of the students. Among other duties, the counselors are involved in high school course selections, and registrations for university and community colleges. Career information and exploration, scholarships, and special programs such as study skills, are part of the ongoing service.

**EDUCATION PLANNING APPENDIX**

Students are advised to prepare thoughtfully for registration and to have a tentative plan for the future course of study. Consultation with parents, teachers, and guidance counselors is recommended so that students choose courses appropriate to their abilities, needs, and interests.

**EDUCATION PLANNING CHART**

Gr. 11 Yr. 2____ - 2____	Gr. 12 Yr. 2____ - 2____
Credits Achieved/or Planned	Credits Achieved/or Planned
1. _____ 2. _____ 3. _____ 4. _____ 5. _____	1. _____ 2. _____ 3. _____ 4. _____ 5. _____
<u>Semester 1</u>	<u>Semester 2</u>
1. _____ 2. _____ 3. _____ 4. _____ 5. _____	1. _____ 2. _____ 3. _____ 4. _____ 5. _____
<b>Grade 11 Credit:</b> _____ <b>Total this year:</b> _____ <b>Total to date:</b> _____ <b>Total compulsory credits:</b> _____ <b>Total Electives:</b> _____	<b>Total this year:</b> _____ <b>Total to date:</b> _____ <b>Total compulsory credits:</b> _____ <b>Total Electives:</b> _____

## GRADE 12

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

**Note:**

- If you have not passed English 112 or 113 (A and B), you must select and repeat both.
- If you have not passed English 112 or 113 (A or B), you must repeat that course.
- If you have not passed Financial and Workplace Mathematics 11 or Foundations of Mathematics 11, you must select and repeat that section.
- Students pursuing AP English Program must take English 121 AP + English 120 AP
- Students pursuing AP Math Program must take Pre-Calculus 12B and AP Calculus 120

**Points to consider:**

- Ensure you have all your compulsory credits completed.
- If you have an idea of what you would like to do after graduation, research entrance requirements.
- University/College entrance minimum average is 65% or higher on specific courses.
- Select courses that will challenge you and demonstrate a sound ability to read/write/comprehend.

- HHS 2014-2015  
Options for 11 & 12  
 (\*12 only)  
 (\*\*For selected Resource Students only see Distance Education section for additional options)  
 Accounting 120  
 AP Biology 120\*  
 AP Calculus 120\*  
 AP English Language 120\*  
 AP History-European  
 AP Psychology  
 Art History and Appreciation 110 (**Loc Op**)  
 Business Organization & Management 120  
 Biology 111, 112, 113, 121, 122  
 Canadian Geography 120  
 Canadian History 122  
 Canadian Literature 120  
 Chemistry 111, 112, 121, 122  
 Child Studies 120  
 Computer Aided Design 110  
 Co-op Education 120 (**APP**)  
 Culinary Tech 110, 120  
 Digital Production 120  
 Drafting-Computer Graphics 120  
 Economics 120  
 Entrepreneurship 110  
 Fashion Design 120  
 FI Modern History 110  
 FI- Language Arts 110, 120\*  
 Financial and Workplace Mathematics 11  
 Financial and Workplace Mathematics 12  
 Foundations of Mathematics 11  
 Foundations of Mathematics 12  
 Framing & Sheathing 110 (**APP**)  
 French 111, 112  
 French 121, 122\*  
 Graph Art and Design 110  
 Hospitality & Tourism 110  
 Housing & Interior Design 120  
 Individual and Family Dynamics 120  
 FI-Individual and Family Dynamics 120  
 Information Technology 110  
 Introduction to Accounting 120  
 Intro to Applied Technology 110 (**APP**)  
 Introductory Electronics 110  
 Intro to Environmental Science 120  
 Journalism 120  
 Law 120  
 Learning Strategies 11 & 12\*\*  
 Media Studies 120\*  
 Micro Electronics 120  
 Mill & Cabinet 120 (**APP**)  
 Modern History 112, 113  
 Music 112, 113, 122  
 Nutrition and Healthy Living 120  
 Outdoor Pursuits 110 (**APP**)  
 Patterns & Relations 113 (Math 113B)  
 Physical Education Leadership 120 (**APP**)  
 Physical Science 110 (**Local Option**)  
 Physics 111, 112, 121, 122  
 Political Science 120  
 Pre-Calculus 11  
 PreCalculus 12A  
 PreCalculus 12B  
 Reading Tutor 120 (**APP**)  
 Residential Finish 120  
 Robotics & Automation 120  
 Science 122\*  
 Sociology 120(**Local Option**)  
 Song and Society 110 (**Local Option**)  
 Tech Support 110  
 Theatre Arts 120  
 Trigonometry & 3-Space 121, 122\*  
 Visual Arts 110, 120

<b>Graduation Requirements:</b>	<b>17 out of 20 credits</b>
3 English (11 A & B, plus 12)	
1 Math (11A)	
1 Modern History	
1 Science (Biology, Chemistry, Physics, EnvSc, Robotics & Tech, Electronics)	
1 Personal Development (Visual Arts, Music, Theatre Arts, Family Living, Co-op, HPE 12, Entrepreneurship 11, Outdoor Pursuits, Hospitality & Tourism, Reading Tutor)	
7 COMPULSORY CREDITS	
+10 OPTIONS	
TOTAL	
5 Credits must be at the Grade 12 Level	
Must Pass English Language Proficiency Assessment	
Students may only count 2 Local Option courses toward graduation	

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Wellness Phys Ed 110 (**Local Option**)  
World Issues 120  
Writing 110  
Yoga 110 (**Local Option**)

**GRADE 11**

Hampton High School  
 Course Selection 20\_\_ - 20\_\_

Name: \_\_\_\_\_  
 Home Room: \_\_\_\_\_

<i>Compulsory</i>			
1.	_____	A	one of: Eng. 111A & Eng. 111B Eng. 112A & Eng. 112B Eng. 113A & Eng. 113B
2.	_____	B	
3.	_____	A	one of: Financial and Workplace Mathematics 11 Foundations of Mathematics 11
4.	_____		one of: Mod. History 112, 113 F.I. Mod. History 112
5.	_____		one of: Biology 111, 112, 113 Chemistry 111, 112 Physics 111, 112 Intro to Environmental Science 120 Robotics & Technology 120 Electronics 110, 120

<i>Options</i>		
6.	_____	AP Math students should take Foundations of Mathematics 11, PreCalculus 11 and PreCalculus 12A
7.	_____	
8.	_____	It is recommended that students take the required Personal Development credit in Gr 11.
9.	_____	
10.	_____	

**Graduation Requirements: 17 out of 20 credits**

- English (11 A & B, plus 12)
- Math (11A)
- Modern History
- Science (Biology, Chemistry, Physics, EnvSc, Robotics & Tech, Electronics)
- Personal Development (Visual Arts, Music, Theatre Arts, Family Living, Co-op, HPE 12, Entrepreneurship 11, Outdoor Pursuits, Hospitality & Tourism, Reading Tutor)

7 COMPULSORY CREDITS  
 +10 OPTIONS

TOTAL  
 5 credits must be at the Grade 12 Level  
 Must Pass English Language Proficiency Assessment  
 Students may only count 2 Local Option courses toward graduation.

- HHS 2014-2015  
Options for 11 & 12  
 (\*12 only)  
 (\*\*For selected Resource Students only)  
 (see Distance Education section for additional options)
- Accounting 120
  - AP Biology 120\*
  - AP English Language 120\*
  - AP History-European History
  - AP Psychology
  - Applications of Math 120\*(**Local Option**)
  - Art History and Appreciation 110 (**Loc Op**)
  - Biology 111, 112, 113, 121, 122
  - Business Organization & Management 120
  - Canadian Geography 120
  - Canadian History 122
  - Canadian Literature 120
  - Chemistry 111, 112, 121, 122
  - Child Studies 120
  - Computer Aided Design 110
  - Co-op Education 120 (**APP**)
  - Culinary Tech 110, 120
  - Digital Production 120
  - Drafting-Computer Graphics 120
  - Economics 120
  - Entrepreneurship 110
  - Fashion Design 120
  - FI Modern History 110
  - FI- Language Arts 110, 120\*
  - Financial and Workplace Mathematics 11
  - Financial and Workplace Mathematics 12
  - Foundations of Mathematics 11
  - Foundations of Mathematics 12
  - Framing & Sheathing 110 (**APP**)
  - French 111, 112
  - French 121, 122\*
  - Hospitality & Tourism 110
  - Housing & Interior Design 120
  - Individual and Family Dynamics 120
  - FI Individual and Family Dynamics 120
  - Graphic Art and Design 110
  - Information Technology 110
  - Introduction to Accounting 120
  - Intro to Applied Technology 110 (**APP**)
  - Introductory Electronics 110
  - Intro to Environmental Science 120
  - Journalism 120
  - Law 120
  - Learning Strategies 11 & 12\*\*
  - Media Studies 120\*
  - Micro Electronics 120
  - Mill & Cabinet 120 (**APP**)
  - Modern History 112, 113
  - Music 112, 113, 122
  - Nutrition and Healthy Living 120
  - Outdoor Pursuits 110 (**APP**)
  - Physical Education Leadership 120 (**APP**)
  - Physical Science 110 (**Local Option**)
  - Physics 111, 112, 121, 122
  - Political Science 120
  - PreCalculus 11
  - PreCalculus 12A
  - PreCalculus 12B
  - Reading Tutor 120 (**APP**)
  - Residential Finish 120
  - Robotics & Automation 120
  - Science 122\*
  - Sociology 120 (**Local Option**)
  - Song and Society 110 (**Local Option**)
  - Tech Support 110
  - Theatre Arts 120
  - Visual Arts 110, 120



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Wellness Phys Ed 110 (**Local Option**)  
World Issues 120  
Writing 110  
Yoga 110 (**Local Option**)

