

PRINCIPAL'S MESSAGE

Riverview offers courses that range from grade 9 to grade 12. Grade 9 students will decide to register for the English Program or for the Late French Immersion Program. Grade 9 students can also register for Band instead of Creative Arts. In grades 10 to 12, students have many courses to consider. The Riverview High School Course of Studies provides you important information to help you select the courses that best suit your educational goals. It is important to consult parents, teachers, and guidance counselors when you make your course selections as this will affect your future plans.

As well, your abilities, interests, and future career goals are some of the factors you should consider when you select courses. Riverview offers courses that help prepare you for a variety of career opportunities in the arts, business, science, technology, and trades.

Our wish is that you enjoy success now and in the future. It is important to know that the more you learn about the course selection process the better your chances are to select courses that suit you.

Joe Chisholm
Principal

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INTRODUCTION

This booklet is designed to help you with the important process of selecting your high school program. When making your selections consider your previous achievements, abilities, interests, work ethic, and future plans.

This course selection booklet contains registration procedures, course descriptions and course prerequisites. Selections should be made with a complete understanding of prerequisites and recommendations that may affect your high school program.

Please do not select courses thinking you will “try it” and be able to move to the lower level. **Course changes in September or throughout the year will be very limited. Where changes are possible, they will be based on academic need and assessed on an individual basis.**

Please give careful consideration to your courses to ensure your high school experience will be successful and prepare you for your future.

WHAT IS THE SEMESTER SYSTEM?

In the semester system, the school year is divided into two equal semesters: September to January and February to June. Four courses are taken each semester. Each course consists of at least 110 hours of instruction. Students will write final exams at the end of each semester. Some of the advantages of the semester system include:

- Students study and do homework in only four subjects at a time.
- Students write only four exams at the end of each semester.
- Students have the opportunity to take a wider variety of courses to round out their program.
- Students who fail required courses are able to catch up without adding a year to their studies.
- Students have more opportunity to graduate in the required three years.

*Please note: students may have courses spread through the whole year and therefore are NOT semester. (Example, English every second day all year.)

CREDIT SYSTEM

A credit is awarded in recognition of the successful completion of an approved course that would normally be completed in a minimum of 110 hours of scheduled time. Each subject passed is worth one credit.

CREDIT TYPES

All courses are identified with a credit type. This information is located in the course description and is an important aspect of course selection. These definitions are developed by the Nova Scotia Department of Education and students are encouraged to check university calendars for information on courses acceptable for admission.

Academic Academic courses are designed for students who expect to enter college, university, or other post-secondary institutions.

Advanced Advanced courses are designed to meet the needs of students who have demonstrated an exceptional degree of academic ability or achievement.

The placement of students in advanced courses requires the involvement of the schools Program Planning team and the consultation of previous teachers. Students who exhibit mastery of specific curriculum outcomes designated by their specific grad levels qualify for advanced credit.

- Graduation** Graduation courses are designed for students who wish to obtain a graduation diploma with a view to proceeding to employment or some selected area of post-secondary study. Normally, universities and similar institutions will not accept these courses to meet entrance requirement.
- Open** Although none of the open courses is designed to meet the specific entrance requirements of any post-secondary institution, individual courses may meet entrance requirements of some institutions. Check the institution's Academic Calendar for specific requirements for admission.

ADVANCED CERTIFICATE PROGRAM

To receive an advanced certificate, students must meet the following criteria:

1. must maintain honors standing based on school criteria
2. must take Advanced English 11 & 12
3. must take three Advanced Science courses from the six available, including 2 years of Science Fair
4. must take Pre-Calculus 11 & 12
5. must take Advanced Global History 12 or Advanced Global Geography 12

Students completing this program will be high achieving, critical thinking students, who wish to excel in English, Science, Social Studies and Math.

BENEFITS

- < Students completing this certificate will be eligible for Riverview Scholarships that are specifically for students receiving this certificate.
- < Students are potentially able to graduate with both a French Immersion Certificate and an Advanced Certificate.
- < Students will be recognized at the graduation exercises for their accomplishment (similar to French Immersion).
- < Completion of this certificate will afford students another accomplishment which they can use to promote themselves, i.e., university, college, job market, etc.

ENRICHMENT/ADVANCEMENT

Students who have already achieved the specific outcomes designated for their specific grade level(s) may wish to have their program enriched. Enrichment for students at the secondary school level means taking Advanced courses or enrichment clusters that focus on advanced content and processes within an identified discipline for an extended period of time. The Advanced Certificate Program provides a structure for these students to pursue.

ADVANCED PLACEMENT

Advanced Placement (AP) courses provide opportunities for motivated students to experience college-level courses while still in high school. Riverview is excited to be working with the College Board of Canada and has offered its first AP course(s) in the school year 2017-2018.

FIT CERTIFICATE PROGRAM (Focus on Information Technology)

Focus on Information Technology (FIT) is a nationally recognized certification program designed for Canadian High School students interested in gaining real-world skills while taking their secondary school education at Riverview High School.

Created by the Information and Communications Technology Council (ICTC), FIT is an innovative program that allows students to gain essential Information and Communication Technology (ICT) and Business skills while completing their High School Diploma without taking any additional credits beyond their required course load. The FIT program uses the regular high school courses in business, technology, and co-op to work in a team environment participating in hands-on learning projects. By completing the co-op work placement components, students can experience real work related experiences in Information Technology.

See Riverview Guidance or Business/Tech Departments.

RIVERVIEW FINE ARTS CERTIFICATE

The Riverview Fine Arts Certificate is offered by Arts Education for students who seek a more enriched experience in all of the arts. The arts include Visual Art, Music, Dance and Drama. To receive this certificate a student needs to take 6 fine arts courses over their 3 years of high school. Three of the six must be from the same discipline. The student must also complete a portfolio with various items in it that are completed outside of class time.

GRADUATION REQUIREMENTS

Students registering in grade 10 will require a minimum of 18 credits to graduate. No more than seven of the 18 credits may be for grade 10 courses, and at least five must be grade 12 courses. The following are the 13 compulsory credits required for graduation:

Language, Communication and Expression

- < 3 English language arts, one at each grade level
- < 1 fine arts: art, dance, drama, or music

Science, Mathematics and Technology

- < 3 mathematics
- < 2 science: one from biology, chemistry, integrated science, or physics, and one other approved science course
- < 2 other from mathematics, science, or technology: eligible technology courses include: Business Technology 11 and 12; Skilled Trades 10; Computer Programming 12; Exploring Technology 10; Production Technology 11 and 12; Textile Technology 12; and Multimedia 12.

Personal Development and Society

- < 1 physical education credit. Eligible courses are Physical Education 10, 11 or 12; Physically Active Living 11; Dance 11, Yoga 11, and Physical Education Leadership 12.
- < 1 Canadian History: Canadian History 11; African Canadian Studies 11; Histoire du Canada 11; Mi'kmaw Studies 11 will be eligible credits to meet this graduation requirement
- < 1 global studies: Global Geography 12; Global History 12; Géographie Plantéaire 12

Within the 18 course requirements for a graduation diploma, no student may receive credit for 2 courses in the same specific subject at the same grade level.

PREREQUISITE COURSES

These are courses which must be passed before another is attempted. The subjects having prerequisite courses are described in the calendar.

UNIVERSITY ENTRANCE REQUIREMENTS

Students must realize that requirements for universities and other educational institutions vary considerably and are constantly subject to change. It is advisable to consult calendars frequently when making long range plans. **All universities require at least five Grade XI and XII University Preparatory courses.** Some universities (usually in Ontario or the West) require six Grade XI and XII University Preparatory subjects for entrance.

Averages required for entrance vary from 60% to 75%, and students are advised that, in many instances, possession of minimum requirements in no way guarantees acceptance. This is particularly true for specialist diplomas and limited enrollment programs.

Most universities do not accept open courses for entrance. In addition, some academic courses are not acceptable for particular programs at some universities. Acceptance of courses such as Art, Drama, Music, Sociology, Physical Education, Family Studies, Music, Law, etc., vary from one educational institution to another and students should consult the calendars of favoured institutions carefully before making final choices. In the past, some students who did not check admission requirements incorrectly assumed that all courses that are labelled academic were recognized by all universities, and were subsequently disappointed when they were rejected by the university of their choice. *Not all academic courses meet specific requirements for entrance to university.*

Remember: Both grade 11 and 12 marks are very important for university entrance.

JUNE RANK

In grade 12, the June rank is calculated using 10 courses. English 12 and Global 12 are included as these are the only 2 courses ALL students are required to take. A minimum of 5 grade 12 courses taken during the graduating year and 5 other courses at the grade 11 or 12 level taken during any school year. One open course is allowed.

COURSE SELECTION ADVICE

- Carefully read all the Nova Scotia graduation requirements listed in this booklet. Make sure you plan to fulfill these requirements by June of your grade 12 year.
- Carefully read all course descriptions. Check with teachers to find out more specific information such as labs, projects, etc.
- Plan for three years now so you are sure you can get all courses necessary to attain future goals.
- Check that you have the prerequisite courses for the courses you wish to take. For example, make sure that you take (and pass) Pre-Calculus 11 before you take Pre-Calculus 12.
- Check that you have all the prerequisites for your career and post-secondary education goals. This may be more than the minimum required for graduation. Because requirements are constantly changing, it is important to check regularly with universities, community colleges and guidance counsellors regarding your chosen field.
- Consult with your parents, teachers, and guidance counsellors in order to make the most informed decisions possible.

- Consider your previous achievement in a subject area as well as interests when selecting courses. Do not register for a course because your friends are. Make decisions based on your individual needs and goals.
- A student must also consider work habits when making course selections (particularly for advanced courses). Although you may have ability in a certain subject you must be willing to do extra work and challenge yourself if you choose an advanced level course.
- Graduation level courses are oriented more toward skills and knowledge that are used in everyday life. Students who struggle with academic work may take graduation courses in order to enter the work force or community college.

REGISTRATION POLICIES

1. Students will complete their registration form in March. Decisions on teacher assignments and staff allocation are made on the basis of student course demands in March. Changes in course requests lead to imbalances in class sizes which are unfair for students and teachers. It is very important that careful selection of courses and subjects be made in March.
2. Students who have not attained a mark of 50 or better in a subject are not permitted to register in that subject at the next grade level. If it is a compulsory course (eg. English), students must re-register for that subject at the same level. If the course is an elective, students can re-register for that course at the same level or select another subject. **It is the responsibility of the student to change his course level if required due to failure or pass of a subject in June.**

Once failing students have re-registered in June, registration will be considered final and only under special circumstances will a student be permitted to change his/her course or subject.

3. Courses will only be offered if enrolment is sufficient. It is often necessary to limit the number of students in a class because of space, safety, and other factors.
4. Class size severely limits course changing and careful selections during course registration (March) is the best means of assuring that the student is in a course of study that suits his/her ability, interest and vocational goals. *Although students may request a course change, there is no guarantee that changes can be made.*
5. Timetables will be generated by the computer. Courses are randomly assigned to semester 1 or 2. Students who have a severely unbalanced course load may make a request in guidance to improve this, however, it may not be possible. Students do not have the option of indicating which courses/teachers should be scheduled in each semester.
6. As a general rule courses beyond the grade level in which one is enrolled may not be taken. There are some exceptions. Students in Grade 10 can register for African Canadian Studies 11, Biology 11, Business Technology 11, Communications Technology 11, Physically Active Living 11, Mi'kmaw Studies 11. Students in Grade 11 can register for Biology 12, Canadian Literature 12, Computer Programming 12, Entrepreneurship 12, Food Science 12, Geology 12, Law 12, Le Droit 12, Political Science 12, Textile Technology 12 and Traditional Music of Cape Breton 12.

7. Repeating failed courses second semester should not be expected. Students may request a course second semester that they failed first semester; however, the school determines the spaces available at the beginning of each semester.

GUIDELINES FOR REGISTRATION

1. Each student will be given a form on which to list the courses for which she/he wishes to register. The student and parent **must** also sign this form.
2. All students must select two alternate courses that will be used in case of a conflict. **Course selections number 7 and 8 should be your least desired courses and the alternates would replace these only in case of a conflict.**
3. Students who must change courses due to failed/passed subjects must finalize these changes by the end of June. Counsellors will be in the school from 9-1 for a full week in late August. Watch the newspaper or call the school in August for specific date.
4. For senior students, certain courses required for university/college will not be completed in the first semester. However, applications to post secondary institutions will be assessed, based on your present and predicted performance at the time of application. Therefore, both grade 11 and grade 12 marks are important for entrance into a program.
5. Students who need all 8 courses to graduate should consult with a Guidance Counsellor before choosing courses.
6. Students can register for 2 courses in the same subject at different grade levels if one of the courses is being repeated or if one is below grade level. Eg. A grade 11 student who failed Math 10 can take Math 10 and Math 11 or a Grade 12 student who did not take Chemistry 11 can take Chemistry 11 and 12.
7. Some courses are only offered every second year because of low enrolment. They are Canadian Literature 12, Computer Programming 12, Geology 12, Latin 11 and Political Science 12.

CONTACT INFORMATION

If you have any questions please contact:

Barb Ryba - Guidance Counsellor - barbryba@staff.ednet.ns.ca

Scott Murchison, Guidance Counsellor – smurchiso@gnspe.ca

Joe Chisholm – Principal – joemc@gnspe.ca

Michelle Coleman - Vice-Principal – mcoleman@gnspe.ca

Bernadette MacNeil – Vice Principal – bmmacneil@gnspe.ca

The Guidance Office at Riverview is open from 8:30 to 3:30 every school day. The counsellors are available for interviews with either students or parents during this time period.

COURSE OFFERINGS 2018-2019

Grade 10	Grade 11	Grade 12
<p>Enriched English 10 Math 10</p>	<p>Advanced/Enriched Advanced Biology 11 Biologie Avancée 11 Advanced Chemistry 11 Chimie Avancée 11 Advanced English 11 Advanced Physics 11 Pre-Calculus Math 11</p>	<p>Advanced/Enriched Advanced Biology 12 Advanced Chemistry 12 Advanced English 12 Advanced Global Geography 12 Advanced Global History 12 Advanced Physics 12 Calculus 12 Chimie Avancée 12 Géographie Planétaire Avancée 12 Pre-Calculus Math 12</p>
<p>Academic Art Dramatique 10 Drama 10 English 10 Exploring Technology 10 French Core 10 Français Immersion 10 Geography 10 History 10 Math 10 Music 10 Music Instrumental Band 10 Science 10 Sciences 10 Skilled Trades 10 Visual Art 10</p>	<p>Academic Accounting 11 African Can. Studies 11 Agriculture 11 Biology 11 Biology 11 B (graduation science) Business Technology 11 Canadian History 11 Chemistry 11 Chimie 11 Co-operative Education 11 Dance 11 Drama 11 Economics 11 English 11 French Core 11 Français Immersion 11 Geography 11 Histoire Canadienne 11 Math 11 Mi'kmaw Studies 11 Music Instrumental Band 11 Oceans 11 Physics 11 Tourism 11 Visual Art 11</p>	<p>Academic Accounting 12 Biology 12 Business Management 12 Business Technology 12 Chemistry 12 Chimie 12 Computer Programming 12 Co-operative Education 12 Digital Art 12 Drama 12 English 12 English 12: African Heritage Entrepreneurship 12 Food Science 12 French Core 12 Français Immersion 12 Global Geography 12 Geology 12 Géographie Planétaire 12 Global History 12 Law 12 Le Droit 12 Math 12 Multimedia 12 Music 12 (formerly Trad Music of CB) Music Instrumental Band 12 Philosophy 12 Physics 12 Sociology 12 Visual Art 12</p>
<p>Open Food for Healthy Living 10/ Food Preparation Service 10 Physical Education 10 Career Development 10 Community Based Learning 10</p>	<p>Open Career Development 11 Child Studies 11 Co-operative Education 11 Mode de Vie Actif 11 Physically Active Living 11 Physical Education 11 Production Technology 11 Workplace Health & Safety 11 Yoga 11</p>	<p>Open Canadian Family 12 Co-operative Education 12 Health & Human Services 12 Physical Education 12 Production Technology 12 Textile Technology 12</p>
<p>Graduation Learning Strategies 10 Mathematics at Work 10 Math Essentials 10</p>	<p>Graduation English Communications 11 Learning Strategies 11 Mathematics at Work 11 Math Essentials 11</p>	<p>Graduation English Communications 12 Learning Strategies 12 Mathematics at Work 12 Math Essentials 12</p>

EDUCATION PLANNING CHART

Name: _____ Student No. _____

Educational Goals: _____

Career/Goals: _____

**Please list these courses in preferred order according to graduation requirements and educational plans.

Grade 10 Credits Achieved/Planned	Grade 11 Credits Achieved/Planned	Grade 12 Credits Achieved/Planned
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
ALTERNATES: These will replace selection 7 & 8 if these courses are not available.		
A.		
B.		
Total Credits _____	Total this Year _____ Total to Date _____	Total this Year _____ Total to Date _____

COURSE DESCRIPTIONS

BUSINESS & TECHNOLOGY RELATED EDUCATION

FIT CERTIFICATE - (Focus on Information Technology)

FIT was created by the information and Communications Technology Council (ICTC). Fit is an innovative program that allows students like you to gain essential information and Communication Technology (ICT) and Business skills while completing your High School Diploma.

The FIT program focuses on developing:

- Real world perspective to business and technology teaching
- Acts as a resource to help teacher's make implements in curriculums in business and ICT courses more relevant to students
- FIT gives students the opportunity to interact with industry experts
- FIT provides students about their future studies and career opportunities

Riverview High School is the only high school in the province to offer this program and the only school with the Cape Breton-Victoria Regional School Board.

FIT Concentrations:

Software Design and Development:

Helps students deepen their technology skills, especially in the areas of solution design, integration, programming and database development. This concentration focuses on guiding students to use their technical competencies to develop applications and systems to help solve real world problems

Courses you need to take for the FIT certificate:

- Exploring Technology 10
- Computer Programming 12
- Business Management 12 or Entrepreneurship12

Students who achieve at least an 85% average and plan on attending Cape Breton University (CBU) will receive a technology course credit towards their undergraduate program.

General Skills- Business and technical Skills

Business skills help students learn about the leadership, management style and operations of different organizations. Technology skills help students develop their ICT abilities to perform effectively in the workplace.

Accounting 11
Business Management 12
Entrepreneurship 12

- Students who achieve at least an 85% average and plan on attending Cape Breton University (CBU) will receive a business course credit (Introduction to Business) towards their Business Degree.

LEVELS OF CERTIFICATION:

Upon completion of the FIT Program students will earn a national recognized certificate (Software Design & Development) issued by ICTC.

FIT Certificate (Basic);
FIT Certificate (Work Experience Goal Seal);
FIT Certificate (Industry Goal Seal);
FIT Certificate (Industry & Experience);
For More information see bulletin on FIT Program.

Accounting 11

Credit Type: Academic

The aim of Accounting 11 is to provide students the opportunity to develop the problem-solving and decision – making skills that are necessary to interpret accounting and financial information.

The course will emphasize on the accounting cycle which includes opening entries, transaction analysis, financial statements, adjustments, and end- of-fiscal period reports.

Students will be able to:

- Connect accounting theory and concepts in authentic situations through case studies.
- Apply computer application in dealing with the accounting cycle.
- Research careers and opportunities in the field of accounting.

Skills that are necessary to increase students' awareness of the business environment as it relates to accounting.

There are Five Modules:

- Beginning the Accounting Cycle
- Completing the Accounting Cycle
- Cash Control and Banking
- Subsidiary Ledgers
- Careers in Accounting

Accounting 12

Credit Type: Academic

Prerequisite: Accounting 11

This is an advanced level high school accounting course. This course is recommended for the student contemplating a career in business at the post secondary level. This course helps student meet the challenges of a first year accounting course in a university, community college or in a business school. Students who take this course should have passed Accounting 11 and have the approval of the accounting teacher. The topics covered are a review of basic accounting principles, control procedures, reporting and interpreting financial data. Students will also acquire the skills and

knowledge that are necessary to set up and operate a computerized accounting system using Simply Accounting.

Accounting 12 consists of five modules:

- Module 1: The Accounting Cycle for a Merchandising Company
- Module 2: Journalizing Using Special Journals
- Module 3: Payroll Accounting
- Module 4: Financial Analysis
- Module 5: Forms of Business Ownership

Business Technology 11

Credit Type: Academic

Business Technology 11 introduces students to a range of business productivity software tools and their applications. The course consists of five modules. In Module 1, students will learn proper keyboarding technique and develop speed and accuracy in touch keyboarding. In Module 2, students will integrate their proficiency in touch keyboarding to design and apply document processing skills using Microsoft Word. In Module 3, students will learn to apply the principles and practices of spreadsheet software, including charting, using Excel. In Module 4, students will apply the principles and practices of desktop publishing, using Word and/or Publisher. Module 5, computers and technology, will be integrated throughout the course.

Business Management 12

Credit Type: Academic (FIT certification program course)

Business Management 12 is designed to provide students with a general overview of business from a local; regional; national; and international perspective. As our society is changing around us, there is a greater demand on employees and managers to have a greater understanding and working knowledge of management skills. This course is designed to help students learn to utilize and understand managerial skills as they enter the workplace.

Throughout the course students will have the opportunity to use these skills to think critically, manage, evaluate information, identify and analyze opportunities, explore and respond to the roles of management in business and personal life. Students will also be expected to have a full understanding of the five primary processes of Management.

- Module 1: Managers and Management
- Module 2: Planning
- Module 3: Organizing
- Module 4: Leading
- Module 5: Controlling

Business Technology 12

Credit Type: Academic

Business Technology 12 is an academic course offering high school students an opportunity to acquire in-depth software application skills. This course is designed to further develop a student's transferable skills as a preparation for courses at the post-secondary level as well as to meet new standards for employability skills. Business Technology 12 is designed for students who wish to develop their proficiency with business technology to a higher level but focuses on a personal and interdisciplinary approach to computer use.

Computer Programming 12

Credit type: Academic (Fit certification program course)

Prerequisite: Math 11

Programming Language: Java

Computer Programming 12 introduces students to analysis, design, and problem solving skills in the field of computer technology. The course is comprised of four modules: Problem Solving in Computer Programming, Fundamentals of Programming, Applied Problem Solving and Project Development. Object-oriented analysis and design techniques are introduced through the Java programming language. No previous programming experiences is required but an academic Math background is required. This course prepares students for entry into a community college diploma in information technology or a university degree program in Computer Science. Some institutions may provide advanced standing to students who have completed this course.

Economics 11

Credit type: Academic (Students who plan on going on to NSCC-Marconi for their business diploma will get credit for this course)

The grade 11 economics course has a specific emphasis on the basic economic structure of Canada. This course will enable students to examine aspects of Canada's economy that affect them as individuals, as Canadians, and as part of the global community. Students will explore the basis for economic study, the role of money in the economy, the significance of a market to economic understanding, the vital role production and productivity plays in the measurement of economic performance, the magnitude of government involvement in economic events, and the issues involved in the distribution of income, wealth and economic power in Canada. Students will also explore the topic of personal finance and the relationship between the individual and economy as a whole.

Entrepreneurship 12

Credit type: Academic (FIT certification program course)

Entrepreneurship 12 is both a theory and hands-on course that focuses on developing ideas for business; learning the processes of becoming an entrepreneur (person who organizes and operates a business); and initiating, developing, and running your own business. The course is designed to provide students with learning experiences that will help them to develop the kind of interests, values, attitudes, skills, and characteristics that are essential to survive in an entrepreneurial environment.

There are 3 components to the Entrepreneurship 12 Course, which a student must do successfully in order to complete the course. They are:

- 1) **Theory Component:** Students learn the specific knowledge and skills associated with being an Entrepreneur;
2. **Action Component:** This component is a hands-on part of the course. Students must decide on what **two** - one-month long business Ventures they will work on and how they will run each Business Venture. (Small Business);
3. **Business Component:** Students are required to research and write their own Business Plan Report for a Business. **This is the exam component of the course.**

Skilled Trades 10

Credit type: Academic

Skilled Trades 10 is a career exploration course suitable for all students in grade 10 and above. The course provides students with a unique mixture of classroom and simulated workplace activities. These activities enable students to learn about and directly experience what life in the skilled trades has to offer. Students work with the basic set of hand tools used by professional trades people in the construction industry to complete real construction tasks and building projects. Students in Skilled Trades 10 focus on four topical areas: Skilled Trades Living, Safety, Measurement and Calculation for Trades, Tools and Materials of the Skilled Trades

Exploring Technology 10

Credit type: Academic (FIT certification program course)

This course is designed to introduce students to the ever-changing world of technology. Students will examine the history and evolution of technology and what impact it has on modern society and culture. Students will explore issues surrounding green technologies, media technologies, engineering and control technologies using a combination of theory and hand-on activities. Solving technological problems using a modified problem-solving model will be key to increasing student understanding of the world in which we live.

Multimedia 12

Credit type: Academic

Multimedia 12 provides learning opportunities through which students become skilled, reflective, and critical creators and consumers of multimedia. Students use a range of information and communications technology, as well as traditional image-making materials in a series of individual and collaborative projects. Students acquire an understanding of aesthetic/artistic implications of multimedia products, become aware of and respect ethical/social and legal implications of multimedia products, and apply the elements and principles of art and design to construct multimedia products which efficiently and effectively communicate ideas and concepts. Modules focus on image creation and manipulation, time-based images, sound, and multimedia authoring. Multimedia 12 is an academic credit.

Production Technology 11

Credit type: Open

Students must have their CSA approved safety glasses.

This program provides students with an introduction and orientation to technology. In addition, this course provides many varied activities to help students develop technical skills. Students will be able to demonstrate the process required to produce a project using a variety of materials and methods. It also offers students the opportunity to realize the steps required to start a business which results in the production of a marketable product. During the course, each student will choose, design, and develop a project that they will take from design brief to completion.

Production Technology 11 students will be provided with enough material to complete a project. If a student wants to create a larger project, they may, if they agree to cover the additional material costs. All plans are subject to approval by instructor.

Production Technology 12

Credit type: Open

Students must have their CSA approved safety glasses.

This program provides students with the opportunity to further develop skills from Production 11. Students will be able to demonstrate the process required to produce a project using a variety of materials and methods. It also offers students the opportunity to realize the steps required to start a business which results in the production of a marketable product. During the course, each student will choose, design and develop a project that they will take from paper design brief to completion. Students in Production 12 will be required to create their own unique design for a particular project. Production Technology 12 students will be provided with some materials. If a student wants to create a larger project, they may, if they agree to cover the additional material costs. All plans are subject to approval by instructor. Upon completion of the program students will be able to assess a project, and create accurate plans, material lists and cost projections.

Textile Technology 12

Credit type: Open/Technology

The aim of this course is to learn about the production methods and properties of various fibres, yarns and fabrics. Identify, understand and copy the elements and principles of design to create aesthetic works. Demonstrate skills related to selecting and using textile tools. Students will plan and create a project that demonstrates production skills and techniques, plan produce and present a summative textile work that demonstrates personal expression and skill development. During the process of this course students will be able to critically analyze the aesthetic and cultural impact of textiles and identify the life work benefits of developing skills in textile creation and production.

Tourism 11

Credit type: Academic

This course will give students an introduction to the tourism industry. The course offers students opportunities to develop the essential knowledge and skills needed to enter the tourism industry or post-secondary tourism programs. Units for this course include: the eight sectors of tourism (Food & Beverage, Accommodation, Transportation, Adventure Tourism & Recreation, Attractions, Events & Conferences, Travel Trade, Tourism Services), Marketing Tourism, Tourism and the Economy, and Selling Destinations. Students will develop their skills in communicating, problem solving, organizing and managing information, working with others and working independently, and using and adapting to new technology. The course focus is on career planning and employability skills, and industry design and development. Learning experiences have a strong applied focus with an emphasis on integrating, applying, and reinforcing learning in other courses.

OPTIONS AND OPPORTUNITIES (O2)

Options and Opportunities (O2)

Credit type: Academic

Prerequisite: Application form; and student interview

is a program designed to help students work toward a career or occupation in learning contexts that responds to their learning needs and that provides linkages to the workplace and other post-secondary destinations. It is well documented that learning improves when students are able to

access authentic learning environments. This critical component of O2 expands opportunities for learning in workplace and community and provides credits for cooperative education, service learning, volunteering, and community-based programs which focus on leadership. Community learning experiences may include work placements, mentorship, internship, volunteering, and service learning. Effective career education provides opportunities to integrate career-related learning experiences in a range of courses and expands access to courses with a career development focus.

CAREER DEVELOPMENT 10

Credit type: Open

Prerequisite: Acceptance into O2 Program

This is a full-credit course designed to be offered at the grade 10 level. Career Development 10 has five modules that are closely related; Personal Development, Career Awareness, Workplace readiness, Financial Management, and LifeWork Portfolio. Students will begin to develop and refine a career plan, to make decisions about their future, and to prepare for the world beyond high school. Career Development 10 is designed to help young people to understand and manage themselves, to manage their personal lives and resources (including financial resources), and to develop the ability to organize and shape their careers. Students will explore realistic personal goals, assess their own abilities, and realize how these actions will affect their learning and decision-making processes. They will develop awareness of their place in the community and the value to their personal growth of giving service to the community. The LifeWork Portfolio is the tool provided to students so that they may continue to organize the artifacts of their significant achievements and life events and reflect on their meaning.

COMMUNITY BASED LEARNING 10

Credit type: Open

Prerequisite: Acceptance into O2 Program

Community Based Learning 10 is a full course designed for grade 10 Options and Opportunities (O2) students. Students explore the opportunities that businesses and organizations in their community offer and experience through the increased understanding of their own employability skills, their personal growth opportunities, and their connection with the community. CBL 10 expands opportunities for students to learn in the community and workplace, providing credit for learning through a range of community-based activities that focus on leadership, mentoring, employability skills, and personal growth.

Career Development 11

Credit type: Open

Prerequisite: Acceptance into O2 Program

Students will be expected to apply the knowledge, skills, attitudes, and awareness needed to identify healthy workplaces, to make informed decisions about safety risks in the workplace, and to initiate appropriate action.

Workplace Health and Safety 11

Credit type: Open

Prerequisite: Acceptance into O2 Program

This course will cover career awareness, work cultures, financial management and LifeWork portfolio.

CO-OPERATIVE EDUCATION

Co-operative Education

Grade 11/12 Academic/Open

Prerequisite: Application form; student interview

Co-operative Education is a credit course designed to meet the needs of the students in this ever-changing world. The two central purposes of Co-operative Education are to assist students bound for post-secondary education and/or the workplace to make informed decisions, and to acquire relevant knowledge and skills. In this way, transitions from school to work and/or further education are made more successfully.

Co-operative Education is a method of learning which involves the school, the student and a community placement supervisor in a relationship where each shares responsibility for the student's learning experience. Students earn a high school credit by combining a 25 hour in-school component and a 100 hour community placement.

Students are required to complete a journal/log book, career project, reflective assignment and a portfolio. Each student and his or her parent/guardian must sign a learning agreement before the placement begins.

Units of work include: community connections/learning through work experience; planning your future career; your career skills; quality of work life and the community placement. **Students who have a specific occupational interest and who are considering Community College, apprenticeship or university (some universities recognize Co-op 12 for admission requirements) for post secondary education will benefit greatly from the experience.** By combining Co-operative Education with occupational related courses, the student can better prepare for work and/or enrollment in Community College or Apprenticeship Training.

ENGLISH

English 10

Credit type: Academic

All students take English 10. English 10 emphasizes proficiency in the use of oral language for a variety of purposes. Within the confines of response to and study of language, literature, and media, students will develop knowledge, understanding, and appreciation of a wide variety of literary genres. Learning activities will be designed to help students acquire the mature reading abilities and study skills necessary for critical reading. These activities will help students understand, organize, synthesize, and communicate information, ideas, and opinions in a language appropriate to context, purpose, and audience. Spelling, vocabulary, grammar, and mechanics of writing (as these relate to writing) are also an integral component. This will be accomplished through individual and small group activities. Writing assignments, designed to help students extend and refine competence in drafting, revising, editing and publishing, will be a major component of this program. This range of learning experiences will enable students to reflect on their own learning strategies as they progress toward becoming independent learners.

English 10 Enriched

Credit type: Academic

Prerequisite: Over 90 in Grade 9 English and Highly Motivated.

This course is oriented to the student who is interested in a more in-depth examination of topics and lateral enrichment and who enjoys language-based activities. All work covered in English 10 will be done, but an enrichment component involving independent novel study, group-centered learning and

an introduction to contemporary genres will be included. Emphasis will be placed on developing the student's ability to think logically, to organize clearly and to judge critically. Critical writings will be done on a regular basis with concentration on the organization and development of the essay. Work done in this classroom reflects the student-centered approach to learning.

English 11

Credit type: Academic

Prerequisite: English 10

This course is intended for students whose goals include post-secondary academic study. The course has an emphasis on literary texts. Students will continue to work toward becoming critical readers, viewers, writers, and speakers. The objective of this course is to put the concepts learned in English 10 to broader use. At this level, novels, poetry, plays (modern and Shakespearean), short stories, media, and grammar will be examined. Canadian content will also be included. Emphasis will be placed on various forms of writing as well as on creative work. Study of vocabulary and grammar usage will complement the practice of writing. Oral communication will be a component of this course. Students will be expected to participate in group work (co-operative learning) as well as independent activities.

Advanced English 11

Credit type: Advanced

Prerequisite: Over 80 English 10

Advanced English 11 is an intensive program of study that offers a challenging curriculum for self-motivated students with a passion for language and literature. It is designed to deepen and broaden knowledge in English Language Arts, as well as to hone skills and foster initiative, risk-taking, independence, responsibility, and leadership. Advanced English 11 is characterized by additional content and curriculum outcomes that expand and extend learning in both theoretical and applied aspects of the subject area. Learning experiences in Advanced English 11 focus on in-depth treatment of selected topics, independent learning and reflection, extended research projects, and interrelated learning experiences. This course requires students to complete a summer assignment.

Student Criteria

- ! Loves reading
- ! Expresses a passion for language and literature (reading, writing, thinking)
- ! Is excited by ideas and engages enthusiastically in discussion
- ! Displays intellectual curiosity
- ! Seeks to comprehend complex ideas
- ! Demonstrates a willingness to work and learn independently, cooperatively and collaboratively
- ! Sets high standards for achievement
- ! Relishes sophisticated learning experiences
- ! Demonstrates a focused and determined work ethic
- ! Exhibits accelerated vocabulary and verbal expression
- ! Displays creativity
- ! Completes summer assignments on time

English Communications 11

Credit type: Graduation

Prerequisite: English 10

English Communications courses are intended for students whose goals include school success and entry-level employment in the private or public sectors. English Communications 11 is intended to

prepare students for school success and lifelong learning by engaging them in practical and interesting learning experiences closely related to their lives and to the world that they will experience as adults. English Communications 11 is designed for students who do not plan to go to university, but may pursue other community college-level programs (N.B. Some programs may require academic courses, so students should consult calendars for specifics). Objectives of this course are to help the student improve his/her ability to use language to think, listen, speak, read and write; to value and enjoy literature and language; and to view effectively and with discrimination drama, film, television, and personal presentations. Also, oral communication will play a role in this course. The study of vocabulary and functional grammar will complement the area of writing. A variety of genres of literature, some of which are Canadian, will be used. Students will participate in group work (cooperative learning) exercises.

English 12

Credit type: Academic

Prerequisite: English 11

This course is intended for students whose goals include post-secondary academic study and is an extension of English 11. The course consists of a study of novels, plays (modern and Shakespearean), poetry, prose, and media. Canadian content will also be included. Various types of writing will be examined and put into practice. Research methods and the writing process will be combined in a **formal research paper** on a literary topic. Stress will also be placed on oral communication, functional grammar, and use of technology. Students will participate in both independent and group (cooperative learning) activities.

English 12: African Heritage

Credit type: Academic

Prerequisite: English 11

English 12: African Heritage is shaped by the vision of enabling and encouraging students to become reflective, articulate, and literate individuals who use language successfully for learning and communicating in personal and public contexts. English 12: African Heritage focuses on African heritage and encourages the use of diverse resources from all cultures and races. It involves language processes: speaking, listening, reading, viewing, writing and other ways of representing. The course focuses on writers and artists of African descent and their contributions, as well as the study of a few African Nova Scotian authors. This will help students explore those elements of African culture and history that connect people of African descent today. This course fulfills the graduation requirement for English 12 Language Arts through the complex and amazing context of the African heritage.

Advanced English 12

Credit type: Advanced

Prerequisite: Advanced English 11 with a final grade of 80% or over

Advanced English 12 is an extension of Advanced English 11 and preparation for further post-secondary study. It is an intensive program reflecting higher expectations than English 12. Advanced English 12 is distinguished by extended curriculum outcomes, enriched content, and academic rigor. Learning experiences in Advanced English 12 focus on in-depth treatment of selected topics and sophisticated texts, independent learning and reflection, extended research projects/case studies, creation of texts, and interrelated learning experiences. This course requires students to complete a summer assignment.

Student Criteria

! has a passion for language, reading, writing, and literature

- ! is a proficient writer, eager to develop a range of writing
- ! is a conscientious, self-directed learner
- ! is an avid reader
- ! explores contemporary and non-contemporary literature in a variety of genres
- ! challenges comfort levels by taking risks as a reader, writer, and speaker
- ! contributes enthusiastically to collaborative learning experiences
- ! relishes sophisticated learning experiences
- ! explores creative potential and imagination in a variety of ways
- ! is inquisitive, reflective, and open to new ideas
- ! is intrigued by diverse interpretations of a text or event
- ! seeks to comprehend and connect complex ideas and perspectives (e.g. the “big picture”)

English/Communications 12

Credit type: Graduation

Prerequisite: English 11 or English/Communications 11

English Communications 12 is designed for students who do not plan to go to university. This course is intended for students who may need additional support in their development as readers, writers, and language users. It will prepare students for lifelong learning by engaging them in practical and interesting experiences related to their lives and the world, especially the world of work. The course will include the study of various genres and forms of media. It will be based on individual needs, interests and abilities of the students. Study of vocabulary and grammar will complement the area of writing as well as creative work. Also, oral communication will play a role in this course. Canadian content will also be included. Students will be expected to complete a major project that will involve all of the language processes. The project should reflect the interests and abilities of the student. Students will participate in group work (cooperative learning) exercises.

Canadian Literature 12

Credit type: Academic

Prerequisite: English 11 (Previous year or 1ST Semester)

This is a senior level (elective) academic course and does not fulfil the compulsory English language arts requirement. This course does not replace English 12 or English Communications 12. This course provides opportunities for students to become acquainted with a broad range of Canadian literature, to appreciate the rich literary heritage of Canada, and to reflect upon their understanding of the Canadian identity, community, and culture. Students will be expected to select and read, respond personally and critically, and demonstrate an understanding of identity, diversity and voice in a range of Canadian literature, including Atlantic Canadian literature. This course is intended for the student who has a keen interest in the study of literature and who demonstrates proficiency in English. Students taking this course will be involved in many independent and small group projects and presentations. A wide range of resources will be used for this course.

FAMILY STUDIES

Food for Healthy Living 10

Credit type: Open ½ Credit

Food for Healthy Living 10: Energy, health, and growth are affected by healthy food choices. Students will plan and prepare meals that complement a healthy lifestyle. This course will explore

how lifestyle choices and food availability affect diet and students will learn to identify nutrition issues that require dietary modifications. The impact of food marketing and advertising on people's food choices will be addressed.

Food Preparation and Service 10

Credit type: Open ½ Credit

This ½ credit course will give students an opportunity to develop a knowledge of food preparation and service. It will give students skills in food preparation, meal planning and product presentation. The student will also explore career and employment opportunities related to food production and service.

Child Studies 11

Credit type: Open

The aim of this course is to help students explore the meaning and implication of responsible parenting. The students will study human reproduction, pregnancy and childbirth. The course will take the students through the development stages of the newborn, toddler, and preschooler. Students will participate in individual and group projects, class discussions, and the preparation of creative and inexpensive play materials for young children. The student will gain an understanding of self through the study and observation of children. The student will gain an understanding of parenting through direct involvement and interaction by participating in the Baby Think It Over program.

Canadian Family 12

Credit type: Open

This course will include the types of families, divorce, adoption, family violence, and the history of the family in Canada. The course will look at relationships and structures within a family as well as health issues related to the family. It is designed to have the students become aware of the family unit as it was and the changes that have occurred. Also, the students will become aware of the resources available for dealing with situations within the family. Family Studies are open to both male and female students.

Food Science 12

Credit type: Academic

Food Science 12 meets the second science requirement for high school graduation. Food Science 12 is an academic course designed to develop scientific literacy. The course is comprised of four modules: food constituents, preservation factors, food quality and commodities, food packaging. Lab work is essential throughout the course.

Health and Human Services 12

Credit type: Open

Students will gain skills and knowledge in human development, ethics, helping process, interpersonal and personal development, wellness, written and verbal communications, and computer applications. Students will explore skills and knowledge specific to defined occupations in the health care system. A requirement of the course is that each student complete 10 hours of volunteer work outside of class time.

Textile Technology 12

Credit type: Open/Technology

The aim of this course is to learn about the production methods and properties of various fibres, yarns and fabrics. Identify, understand and copy the elements and principles of design to create aesthetic works. Demonstrate skills related to selecting and using textile tools. Students will plan and create a

project that demonstrates production skills and techniques, plan produce and present a summative textile work that demonstrates personal expression and skill development. During the process of this course students will be able to critically analyze the aesthetic and cultural impact of textiles and identify the life work benefits of developing skills in textile creation and production.

FINE ARTS

<p>The Nova Scotia Public School Program considers these courses academic; however, some universities may not accept them as academic courses for admission (depending on the program). Please check the university calendars for more information.</p>

Visual Art 10

Credit type: Academic

Visual Art 10 concentrates on developing basic art skills and an understanding of the core content of drawing and design, painting, sculpture, printmaking, and art history. Other areas of study may include some of the following subjects: mixed media, pottery, photography, and fibre/textiles. To help students develop their understanding of concepts in art and to prepare them for future studies in art, drawing/design, art history and creative problem solving will be related to every aspect of the year's work. Students will be asked to have a sketchbook (coil bound with 100 pages), eraser and pencils (regular and coloured).

Visual Art 11

Credit type: Academic

Prerequisite: Visual Art 10

Visual Art 11 builds on the core skills learned in Visual Art 10. Students will develop confidence in traditional areas of study such as drawing, painting, printmaking and sculpture. Other areas of study may include some of the following subjects: mixed media, craft, pottery, photography, or fibre arts. Students will be challenged to think critically and solve problem creatively in all aspects of this course. Students will be asked to have a sketchbook (coil bound with 100 pages), eraser and pencils (regular and coloured).

Visual Art 12

Credit type: Academic

Prerequisite: Visual Art 11

Art 12 builds on the skills learned in Visual Art 10 and Visual Art 11. Students will develop increasing skills in traditional areas of study such as drawing, painting, printmaking, and sculpture. Other areas of study may include two of the following subjects: mixed media, craft pottery, photography, or fibre arts. Students will be challenged to think independently, critically and solve problems creatively in all aspects of this course with a greater degree of sophistication and dedication than previous grades. Students will be asked to have a sketchbook (coil bound with 100 pages), eraser and pencils (regular and coloured).

Digital Art 12

Credit type: Academic

Prerequisite: Visual Art 11

Digital Art 12 explores the Elements and Principles of Art and Design through the Adobe Photoshop software. Students will be challenged to think critically and solve problems creatively in all aspects of

this course while developing increasingly sophisticated skills in the Photoshop program. Students will be expected to have a notebook/sketchbook for use in this class only.

Dance 11

Credit type: Academic

“Dance 11 may be used as either a fine arts or physical education credit.”

This course is designed for all students with or without previous formal dance training. Dance 11 provides students with aesthetic and cultural education, opportunity for personal expression, and exposure to a wealth of traditional, social, theatrical, and contemporary dance forms. It also provides the opportunity for personal and social development of the individual. Journals, assignments, projects, and dance presentations are required components in this course. The final project (exam) is a dance recital, which features the variety of dances performed during the semester.

Drama 10

Credit type: Academic

This is an introductory course in Drama which focuses on the personal growth of the student. Students will gain confidence as they explore and communicate ideas, experiences, and feelings in a range of dramatic forms. Drama 10 comprises four components: foundation, movement, speech, and theatre. Public performances are not required but are encouraged in order to get the full drama experience.

Drama 11

Credit type: Academic

Prerequisite: Drama 10 or permission from Drama teacher

Grade eleven drama presupposes that students have either knowledge and skills already or that they possess a great interest in drama. Students are expected to work quite independently and to produce work for audiences outside the classroom. They will be evaluated based on their preparation, adaptability, and serious attitude towards performance. The focus of Drama 11 is to have students work toward the production of existing or creating script. It strongly encourages the process of writing and the production of text and brings together all that the students have learned about drama in the development of a theatre piece for presentation (such as collective creation).

Drama 12

Credit Type: Academic

The Drama 12 course will allow students who have some background in Drama and who may be interested in theatre-related careers to develop skills in acting, writing, directing and stagecraft. The emphasis of the course will be on the preparation for performance and for the presentation itself. Students will create texts with the use of improvisation, the collective process and an awareness of the needs of specific audiences. The elements of theatre production and the skills required for presentation will be refined throughout the semester. Students will be required to complete a number of outside class hours to prepare performances and to complete projects. Also, students will be expected to attend theatrical presentations in the community with a view to learning from and critiquing the productions.

Music 10 P

Credit type: Academic

This is an instrumental music course focussing on the development of basic playing skills and theory skills, mostly through the study of music in the rock genre. Basic playing technique will be developed in individual and group settings. Drums and keyboard are provided. Students playing other instruments must provide their own. This course has limited enrollment. Preference will be given to grade 10 students. Grade 11 students will be permitted to take this course if space permits.

Music 10 B

Credit type: Academic

Prerequisite: Grade IX Music or teacher approval

The students will explore the full range of their instruments. There will be an increased awareness of intonation, phrasing, colour, and balance. Creating and producing music will comprise 70% of the program. Theory, history, and ear training will comprise 30% of the program, with emphasis on the basics of theory (clefs, metre, major scales, and triads). Some exploration of various styles of music will also be covered. **Grade X students wishing to participate in concert band are required to take Music Instrumental Band 10.** Students enrolled in this course are expected to be in the grade 10 Concert Band, which has one weekly after school rehearsal during 1st semester.

Music 11 B

Credit type: Academic

Prerequisite: Music Instrumental Band 10 or teacher approval

Continued emphasis is given to intonation and technique. More complex rhythms and wider ranges will be played. 70% of the program will be in creating and producing music. 30% of the course will be in theory, history, and ear training (included is study in chords, transposition, and minor scales). Various styles of modern music will also be explored. Students enrolled in this course are expected to be in the Grade 11/12 Concert Band with after school rehearsals once weekly during first semester. **(Grade 11 students wishing to participate in the grade 11/12 concert band are required to take Music Instrumental Band 11.)**

Music 12 B

Credit type: Academic

Prerequisite: Music Instrumental Band 11 or teacher approval

Technique will be emphasized by the study of more difficult works. Theory will comprise 30% of the course and include study in cadences and intervals. Various musical styles will be further explored and 70% of the course will be in creating and producing music. Students enrolled in this course are expected to be in the Grade 11/12 Concert Band with after school rehearsals once weekly during first semester. **(Grade 12 students wishing to participate in the grade 11/12 concert band are required to take Music Instrumental Band 12.)**

Music 12 P

(formerly Traditional Music of Cape Breton 12)

Credit type: Academic

This course is designed for those who have an interest in the traditional music of Cape Breton, with a strong emphasis on Celtic music. The music will be explored through instrumental instruction, with an emphasis on the development of playing skills specific to Celtic Music. Form, melody, harmony, and texture will be studied through playing, listening to, and studying the theory of Cape Breton Celtic music. This course has limited enrollment. Preference will be given to grade 12 students. Grade 11 students will be permitted to take this course if space permits.

Note: It may be possible for students taking private lessons and writing exams under the Royal Conservatory of Music to receive high school credit. Please contact the guidance office for more information.

FRENCH

LATE IMMERSION MAINTENANCE PROGRAM Immersion Certificate

This certificate from the Department of Education, Province of Nova Scotia, will be earned only by those students who pass 9 academic credits (out of the minimum 18 required for graduation) in subjects taught via the French Language - The French Language Arts course must be passed at each of the three levels - Français Immersion 10, 11, 12. Students will receive a certificate recognizing the completion of the Late Immersion Program.

The Late Immersion Maintenance Program consists of 4 courses offered in French in Grade X, 5 in grade XI and 5 in Grade XII. Additional credits are available through the Provincial Explore and Exchange programs. Each year, a minimum of two French Immersion courses must be successfully completed.

All courses in the Immersion Program are taught completely in French and students are required to speak French in class at all times.

GRADE X: ART DRAMATIQUE 10
FRANÇAIS IMMERSION 10
HISTOIRE 10
SCIENCES 10

GRADE XI: FRANÇAIS IMMERSION 11
CHIMIE 11 + CHIMIE AVANCEE 11
HISTOIRE CANADIENNE 11
MODE DE VIE ACTIF 11
BIOLOGIE + BIOLOGIE AVANCEE 11

GRADE XII: FRANÇAIS IMMERSION 12
CHIMIE 12 + CHIMIE AVANCEE 12
GEOGRAPHIE PLANETAIRE 12 + GEO. PLAN. AV. 12
HISTOIRE PLANETAIRE 12 + HIST. PLAN. AV. 12
LE DROIT 12

PREREQUISITE FOR LATE IMMERSION MAINTENANCE PROGRAM:

Grades VII, VIII, and IX French Immersion Language Arts. Fluency in speaking and writing French. Students leaving the program in grade 12 are eligible to register for the DELF French Proficiency Test. The DELF proficiency certification is awarded by the French Ministry of Education and it is accepted in lieu of linguistic entrance exams around the world.

Credit type: Academic

This is an introductory course in Drama which focuses on the personal growth of the student. This course will encompass additional aspects of the French Language Arts Program. Students will gain confidence as they explore and communicate ideas, experiences, and feelings in a range of dramatic forms. L'Art Dramatique 10 comprises four components: foundations, movement, speech and theatre.

Français Immersion 10**Credit type: Academic**

This course will further develop the student's oral skills through presentations and discussions. Written expression is developed through writing of paragraphs, journal writing and formal grammar lessons. Several readings are assigned and discussed. An oral and visual presentation follows research on a given topic. Various texts and resources are used.

Sciences 10**Credit type: Academic**

It is recommended that students taking this course be enrolled in academic math for the current year. A science course intended to enable students to appreciate the interaction of science, technology, and the environment. Emphasis is on problem solving, and critical thinking skills. The language of instruction and student discussion is one hundred percent of the time in French. Students who plan to take chemistry or physics in grade XI or XII must take this course (or its English equivalent).

Français Immersion 11**Credit type: Academic****Prerequisite: Français Immersion 10**

This course is a continuation of Français Immersion 10. It further develops the oral skills by discussions and presentations. The reading skills are developed through literature circles where a novel is discussed. The writing skills are developed by the study of grammar and journal writing. Various texts and resources are used. Required oral presentations are an integral part of this course.

Histoire Canadienne 11**Credit type: Academic**

This course is designed to use both chronological and thematic approaches in the study of persistent questions in the history of Canada. It encourages students to investigate the historical roots of current concerns facing Canadians including globalization, development, governance, sovereignty and justice. This course or another Canadian Studies course is compulsory to graduate. It is taught entirely in French.

Chimie 11**Credit type: Academic****Prerequisite: Math 10 and Sciences 10**

This course is taught entirely in French and all discussions by students are also totally French. It is an introductory course which deals with basic concepts and principles of chemistry and includes a full lab program. This course covers the same topics and has the same emphasis as the corresponding English course CHE 11.

Chimie Avancée 11

Credit type: Advanced

Prerequisite: Math 10 and Sciences 10; 75% recommended minimum mark

This course is taught entirely in French and all discussions by students are also totally in French. This is an honours level course for the serious student who has a keen interest in science. The topics are the same as in Chimie 11 with some topics being covered in greater depth. This course is accompanied by a full lab program. Participation in the school science fair is mandatory - see information at the beginning of the Science section.

Mode de Vie Actif 11

Credit type: Open

This full-credit course is designed to engage students in a wide range of physically active experiences, with an overall theme of exploring options and opportunities for being active for life, both in school and in their community. Physically Active Living 11 encompasses an activity component and a theory component, with an emphasis on engagement in physical activity.

The activity component of the course is designed to provide opportunities for students in active experiences that engage youth in traditional and non-traditional forms of physical activity. The theory component of the course will enhance student understanding of healthy eating, injury prevention, mental and emotional health, and addiction prevention highlighting the connection between healthy living and being physically active.

Biologie 11

Credit Type: Academic

This course is taught entirely in French. Emphasis is on scientific knowledge, lab skills and microscope use, and includes a full lab program with a final lab exam making up 10% of the final mark. This course covers the same topics and has the same emphasis as the corresponding English course BIO 11.

Biologie Avancée 11

Credit Type: Academic

Prerequisite: 80% recommended minimum in Math and Science.

A lab oriented course designed for students with a keen interest in science and willing to enrich their knowledge with INDEPENDENT study. Critical and creative thinking and analysis play an important role in the evaluation process. This course covers the same topics and has the same emphasis as the corresponding English course Advanced Biology 11. A lab will make up 10% of the final mark.

Français Immersion 12

Credit type: Academic

Prerequisite: Français Immersion 11

This is a continuation of Français Immersion 11. Oral proficiency continues to be a priority and students have ample opportunities to further develop their means of oral expression and to acquire more advanced vocabulary through the study of literary texts as well as through discussions. A novel is selected, read and an oral presentation on the novel follows. Grammar and written expression is given much attention.

Chimie 12

Credit type: Academic

Prerequisite: Chimie 11 and Math 11 or Advanced Math 11

This course is taught entirely in French and all discussions by students are also totally in French. This course covers the same topics and has the same emphasis as the corresponding English course, CHE12. A full lab program is offered.

Chimie Avancée 12

Credit type: Advanced

Prerequisite: Chimie 11 and Advanced Math 11

This course is taught entirely in French and all discussions by students are also totally in French. This course is an honours level course for students with a keen interest in science.. All topics are the same as in Chimie 12 but some are covered in greater depth. A full lab program is offered. Participation in the school science fair is mandatory - see information at the beginning of the Science section.

Géographie Planétaire 12

Credit type: Academic

This course is very different from usual geography courses as we know them. It aims to give the student an understanding of the world on an international scale and to make one feel that he or she is a citizen of the world and owes it a responsibility. Topics such as world resources, world population, standard of living, industrialization, urbanization and global warming are studied. Students will do a final project which analyzes one of the problems discussed in the course.

Géographie Planétaire 12 Avancée

Credit type: Advanced

While the same topics are covered a in Géographie Planétaire 12, this is an honours level course which required further analyzation and critical thinking about the world problems discussed in class. Some topics are covered in greater depth and students must also facilitate a seminar based on an independent study unit.

Le Droit 12

Credit type: Academic

This course is given completely in French. It examines the legislative and judicial systems of Canada, as well as the two basic forms of law in Canada: Common Law and the Civil Code. The Charter of Rights is studied in detail. The second half of the semester deals with criminal offences and procedures and finally civil suits and civil procedure. A project involving some research on a famous case is presented in written form during the second term.

FRENCH CORE PROGRAM

French Core 10

Credit type: Academic

Prerequisite: The student must have successfully completed the grade IX program.

This is a university preparatory course in which emphasis is placed on all phases of language: listening, speaking, reading and writing. It is a continuation of the program offered at the grade IX level. Our aim over the three year program is to provide the student, with his/her cooperation, a reasonable knowledge of all phases of the French language, to promote a greater interest in the appreciation of French as well as French Canadian people and their culture, and encourage communication skills. There is an exam at the end of this course.

French Core 11

Credit type: Academic

Prerequisite: French Core 10 or Français Immersion 10

This program is a continuation of the program offered at the Grade IX and X levels. In addition to reinforcing the structures covered in FRE 10, new items of grammar are studied and put in use. There is an exam at the end of this course.

French Core 12

Credit type: Academic

Prerequisite: French Core 11 or Français Immersion 11

This course is the continuation of French 11. This program has extensive information on French culture, economy and politics and students will acquire general knowledge as well as language skills. Yet it is our main aim at this level to continue to increase, with the cooperation of the student, proficiency in the language. The student will also be required to do outside readings.

LEARNING STRATEGIES

Learning Strategies 10, 11, and 12

Credit type: Graduation

Prerequisite: Approval from Guidance Required

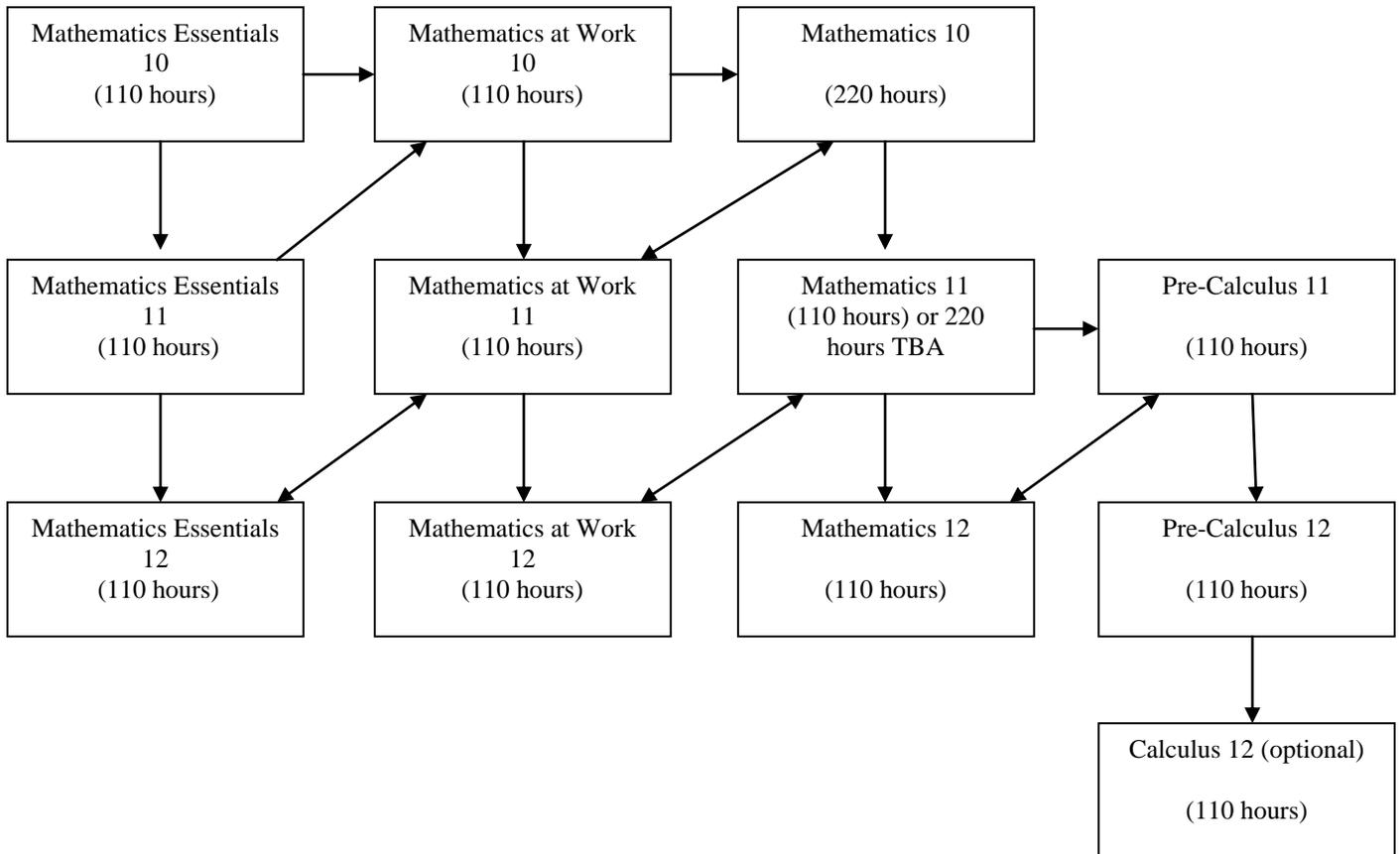
Learning Strategies is designed to provide students with specific strategy instruction that focuses both on remediation and compensation based on his/her own individual strengths and challenges. Students will work towards becoming actively engaged, independent learners. The five areas covered are: Awareness of Self and Others, Organization Skills, Transition Skills, Numeracy, and Literacy. Specific strategies taught include: organizational strategies, note-taking skills, study skills, test-taking strategies, listening skills, memory strategies, and essay writing.

In grade 10 students begin with support, moving to increasing independence in grade 11, and graduating to working independently in grade 12. As part of the Transition Process, students will do career exploration to examine options and opportunities for future employment and training required. As students move through the course they are expected to apply the skills and strategies taught in class to their other subject materials.

MATHEMATICS

This diagram illustrated likely course pathways for senior high mathematics. Grade 10 courses were implemented in 2013-2014, grade 11 in 2014-2015, and grade 12 courses in 2015-2016.

Typical course selection path for students entering grade 10 – 2018-2019



Important Math Information for students entering Grade 10 – 2018-2019

Students and parents should carefully choose math courses based on previous achievements, ability, interests and future educational or career plans.

Math Essentials 10: Students who have a history of difficulty in achieving the outcomes of the junior high math program should register for Math Essentials 10. Math Essentials emphasizes the math used in everyday life. This course is designed for students who do not intend to pursue post-secondary study, or plan to enter programs that do not have a math requirement. Students that failed grade 9 math, and did not attend summer skills building, **must** register for Math Essentials 10 or Math at Work 10. The typical pathway for students who successfully complete Mathematics Essentials 10 is Mathematics Essentials 11 followed by Mathematics Essentials 12.

Math at Work 10: The Math at Work 10 course is a one semester course. Math Foundations courses are being phased out and replaced by Math at Work courses. Historically, students whose Grade 9 math mark was less than 70% have a great deal of difficulty being successful in passing Math 10. Therefore, these students should strongly consider taking Math at Work 10. Mathematics at Work courses are designed to provide students with the mathematical understandings and critical-thinking skills identified for direct entry into the work force or for entry into programs of study that do not require academic math. Math at Work 10 is acceptable for most community college programs (there are some exceptions that require academic - see calendars for specifics). In addition, select universities have arts programs that do not have a math requirement (again, investigate specific career options). The typical pathway for students who successfully complete Math at Work 10 is Math at Work 11 followed by Math at Work 12.

Math 10: The Math10 course is a 220 hour year-long course recommended for most students with a 70 or above in grade 9. Successful completion will result in *two* math credits - *one* of these in an eligible credit for the two math credits required for graduation. The other credit is an eligible credit for the “two others from mathematics, science, and/or technology.” If a student fails the course they will get 0 credits.

Math10 is an academic high school mathematics course which is a pre-requisite for all other academic and advanced mathematics courses.

For those students intending to follow the academic pathway, Math 10 will be followed by Math 11 and then Math 12.

For those students intending to follow the advanced pathway, Math 10 will be followed by Math 11 and Pre-Calculus 11, then Pre-Calculus 12 and Calculus12.

Please read the following course descriptions for more information.

Mathematics Essentials 10

Credit type: Graduation

Prerequisite: Ideal for students who have a history of difficulty in achieving the outcomes of the Junior High math program. Grade 8 math and recommendation from Grade 9 teacher.

This course is designed for students who do not intend to pursue post secondary study or who plan to enter programs which do not have any math prerequisite. Students who take Math Essentials 10 will take Math Essentials in grade 11. This will fulfill the two required math credits necessary for graduation. Topics include mental math, working and earning, deductions and expenses, paying

taxes, buying decisions, measuring and estimating, buying a car, transformation and design. Students that failed grade 9 math, **must** register for either Math Essentials 10 or Math at Work 10.

Mathematics At Work 10

Credit type: Graduation

Recommended: Below 70 in Grade 9 Academic Math

This course is intended for the student who will not require an academic level math course after graduation. Confidence building and problem solving form and integral part of the course. Topics include measurement, area, Pythagorean theorem, trigonometry, geometry, unit pricing and currency exchange, income, and basic algebra. Students that failed grade 9 math, **must** register for either Math Essentials 10 or Math at Work 10.

Mathematics 10 (Enrichment Available)

Credit type: Academic

Prerequisite: Grade 9 Academic Math

Recommended: 70 or above in Grade 9 Academic Math

This is an academic math course at the grade 10 level, intended for the student who plans to take academic or advanced math throughout high school and who will require an academic level math course after graduation. Topics include measurement systems, surface area and volume, right triangle trigonometry, exponents and radicals, polynomials, linear relations and functions, linear equations and graphs, solving systems of equations, and financial mathematics.

Typical Course Selections Path For Current Students (2018-2019) in Grade 10 or 11

Student Path	Grade 10	Grade 11	Grade 12
High School Leaving	Math Essentials 10	Math Essentials 11	Math Essentials 12
Community College	Math Essentials 10 or Math at Work 10	Math Essentials 11 or Math at Work 11	Math Essentials 12 or Math at Work 12
*University (Arts)	Math 10	Math 11	Math 12
*University (Science, Engineering, Math, etc.)	Math 10	Math 11 and Pre-Calculus 11	Pre-Calculus Math and Calculus 12 recommended

***Depends on the Post-Secondary Institution.**

Please Read the following course descriptions for more information..

Mathematics Essentials 11

Credit type: Graduation

Prerequisite: Mathematics Essentials 10 or Math at Work 10

Students in Mathematics Essentials 11 will explore the following subject areas: mental mathematics; collecting, organizing and graphing data; borrowing money; renting or buying; household budgets; investing money; measuring; and 2-D and 3-D design, mathematics in content areas such as science and social studies.

Math at Work 11

Credit type: Graduation

Prerequisite: Math 10 or Math at Work 10

This course is a Non-University Preparatory course. It is a continuation of Math at Work 10. Some of the topics to be covered are: measurement systems volume, 2-D and 3-D geometry, scale, exploded diagrams, numerical reasoning, personal budgets, compound interest, financial institution services, and formula manipulation for various contexts.

Math 11

Credit type: Academic

Prerequisite: Math 10

Recommended: 70 or above in Math 10

This is an academic math course at the grade 10 level, intended for the student who plans to take academic or advanced math throughout high school and who will require an academic level math course after graduation. Some of the topics to be covered are applications of rates, scale diagrams and factors, inductive and deductive reasoning, an introduction to proof, cosine law, sine law, spatial reasoning, statistics, systems of linear inequalities, and quadratic functions.

Pre-Calculus 11

Credit type: Advanced

Prerequisite: 80 or above in Math 11

This course should be taken at the grade 11 level for students who are considering science or engineering in university. (These students will also require pre-calculus 12.) Topics include absolute value, radical expressions and equations, rational expressions and equations, angles in standard position, analyze and solve quadratic equations, linear and quadratic equations and inequalities in two variables, arithmetic and geometric sequences, and reciprocals of linear and quadratic functions.

Mathematics Essentials 12

Credit type: Graduation - 1 Credit

Prerequisite: Mathematics Essentials 11 or Mathematics at Work 11

The prerequisite for Mathematics Essentials 12 must be taken and successfully completed prior to starting Mathematics Essentials 12. Therefore, these courses are to be taken consecutively, not concurrently, and the order may not be reversed.

The Mathematics Essentials pathway is designed to provide students with the development of the skills and understandings required in the workplace, as well as those required for everyday life at home and in the community. Students will become better equipped to deal with mathematics in their everyday life and will become more confident in their mathematical abilities.

Mathematics Essentials 12 is designed for students who either do not intend to pursue post-secondary study, or plan to enter post-secondary programs that do not have any mathematics pre-requisites. The content of this course will help students work toward improving the mathematical knowledge base needed for work directly related to the trades. This course will be modular based and project oriented. Topics include Measurement; Mathematics and Career Exploration; Ratio, Rate, and Proportion; and, Math Preparation for the Workplace.

Mathematics at Work 12

Credit type: Graduation 1 Credit

Prerequisite: Mathematics at Work 11 or Mathematics 11

The prerequisite for Mathematics at Work 12 must be taken and successfully completed prior to starting Mathematics at Work 12. Therefore, these courses are to be taken consecutively, not concurrently, and the order may not be reversed.

The Mathematics at Work pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for direct entry into the work force or for entry into programs of study that do not require academic mathematics. Mathematics at Work 12 is the third course in this pathway.

Students in Mathematics at Work 12 will study the following topics: measurement and probability, measures of central tendency, scatterplots, linear relationships, owning and operating a vehicle, properties of polygons, transformations, and, trigonometry.

Mathematics 12

Credit type: Academic

Prerequisite: Mathematics 11

The prerequisite for Mathematics 12 must be taken and successfully completed prior to starting Mathematics 12. Therefore, these courses are to be taken consecutively, not concurrently, and the order may not be reversed.

The Mathematics pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Mathematics 12 is the third course in this pathway.

Students who select Mathematics 12 should have a solid understanding of the Mathematics 11 curriculum.

Students in Mathematics 12 will study the following topics: Borrowing money, investing money, set theory, logical reasoning, counting methods, probability, polynomial functions, exponential and logarithmic functions, and, sinusoidal functions.

Pre-Calculus 12

Credit type: Advanced

Prerequisite: Pre-Calculus 11

Pre-Calculus 11 must be taken and successfully completed prior to starting Pre-Calculus 12. Therefore, these courses are to be taken consecutively, not concurrently, and the order may not be reversed.

The Pre-Calculus pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus.

Students who select Pre-Calculus 12 should have a solid understanding of the Pre-Calculus 11 curriculum.

Student in Pre-Calculus 12 will study the following topics: transformations, radical functions, polynomial functions, trigonometry, exponential & logarithmic functions, rational functions, function operations, and, permutations, combinations and the binomial theorem.

Calculus 12

Credit type: Advanced

Prerequisite: 70 or above in Pre-Calculus Math 12

This course is designed for students who are going to continue their studies in science and mathematics at the university level. Topics include: limits, growth rates, trigonometric, exponential and logarithmic functions, derivatives, curve sketching, and integration. Grade 12 students who are interested need to take Pre-Calculus Math 12 first semester and Calculus 12 second semester.

PHYSICAL EDUCATION

Physical Education 10

Credit type: Open

This course will provide students with a variety of fitness and sport experiences to enhance their understanding of personal fitness and growth. Physical education 10 includes some theory components, coupled with predominantly active experiences whereby students will have the opportunity to participate in a variety of indoor and outdoor fitness, sport, and recreational experiences. The emphasis of this curriculum is to provide students with experiences that require them to take and reflect on their personal responsibility for active, healthy living now and throughout life. This course is divided into four (4) modules: Outdoor Pursuits, Exercise Science, Personal Fitness, and Leadership. This course has more of an activity component than Physically Active Living 11.

Dance 11

Credit type: Academic

Dance 11 may be used as either a fine arts or physical education credit.

This course is designed for all students with or without previous formal dance training. Dance 11 provides students with aesthetic and cultural education, opportunity for personal expression, and exposure to a wealth of traditional, social, theatrical, and contemporary dance forms. It also provides the opportunity for personal and social development of the individual. The course consists of four components: Elements of Movement, Creation and Composition, Presentation and Performance, and Dance and Society. Journals, assignments, tests, projects, and presentations are required components in this course. The final project (exam) is a dance recital, which features the variety of dances performed during the semester.

Physically Active Living 11

Credit type: Open

This full-credit course is designed to engage students in a wide range of physically active experiences, with an overall theme of exploring options and opportunities for being active for life, both in school and in their community. Physically Active Living 11 encompasses both an activity component and a theory component, with an emphasis on engagement in physical activity. This course is much more theory oriented than Physical Education 10.

The activity component of the course is designed to provide opportunities for students in active experiences that engage youth in traditional and non-traditional forms of physical activity. The theory component of the course will enhance student understanding of the connection between healthy living and being physically active.

Physical Education 11

Credit type: Open

As the student is maturing, he/she should be able to develop intermediate and/or advanced skills in various sports and activities. Emphasis will be placed on participation, cooperation and fitness. Students' progress will be evaluated through written tests, attendance, participation, class mark, and a written project per term. Theory units will focus on cardio respiratory fitness, muscular endurance, muscular strength, flexibility and body composition.

Physical Education 12

Credit type: Open

Prerequisite: Physical Education 11

This course will stress exposing the student to the activities which will be more accessible upon leaving high school. Students' progress will be evaluated through written tests, attendance, participation, class mark, and a written project per term. Theory units will focus on setting and reaching fitness goals, resistance training for fitness and health, and safety guidelines and injury prevention.

Yoga 11

Credit type: Open

The course will introduce students to various styles and characteristics of yoga. It is an expectation that students will develop a lifelong personal practice of yoga for personal fitness 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, the relationship between nutrition and fitness, the history of philosophy of yoga including values of non-violence, ethics, honesty and respect. This course meets the requirement of a Physical Education credit.

RESOURCE

Resource is offered to students in high school who have been identified as requiring extra support. The program is designed to support students with their learning and apply strategies to assist with the learning process.

Resource teachers are available daily, and it will be the responsibility of the student to access their services. Students will attend regular classes for the delivery of the curriculum. During seatwork, with the permission of the teacher, students may leave the class and go to the Resource room for extra support.

SCIENCE

Advanced Courses: Any student registering for an advanced science course (Biology/Biologie 11A or 12A, Chemistry/Chimie 11A or 12A, Physics 11A or 12A) will be required to participate in the school science fair. All students will work on a project from September until January, regardless of the semester in which they are enrolled in the advanced course(s) and will be required to attend meetings periodically throughout first semester. This project will be graded and included in their Advanced Science mark. **Failure to complete a Science Fair project and to participate in the Science Fair will result in a mark of zero for that component of the course. Students must participate in two RHS Science Fairs, in grades 10, 11, or 12 in order to qualify for the Advanced Certificate.** Advanced science courses follow the same topics as the academic courses. In addition to the Science Fair project, enrichment will be through independent study, scientific article reviews, and additional short-term projects related to the topics being studied.

Science 10

Credit type: Academic

It is recommended that students taking this course be enrolled in academic Math 10. This is a science course intended to enable students to appreciate the interaction of science, technology, society, and the environment. Emphasis is on problem solving and critical thinking skills, while introducing topics in biology, chemistry, physics, weather and the environment. Science 10 is a foundation course that is intended for any student planning to take additional courses in physics, chemistry or biology.

Agriculture 11

Credit type: Academic

The learning modules for this course will include Primary Production Systems, Support Systems, Beyond the Farm Gate and Agrifood. A “hands-on approach” is emphasized for this course. This course will meet the second science course requirement for graduation.

Biology 11

Credit type: Academic

This is a university preparatory program. Emphasis is on scientific knowledge, lab skills and microscope use. Major topics include cells, membrane transport, classification, viruses, bacteria and various systems in different animals including humans. This course includes a full lab program with a final lab exam making up 10% of the final mark. INTERESTED STUDENTS ARE ENCOURAGED TO COMPLETE THIS COURSE DURING THEIR GRADE 10 YEAR.

Biology 11B

Credit type: Academic

This course is for students wanting to fulfill one of the necessary high school science graduation requirements but **are not** interested in pursuing a science focus at the high school level. Major topics are basically the same as Biology 11. This course centers around a comprehensive lab program. Students who complete Biology 11B are encouraged to take Oceans, Agriculture, Food Science, or Geology as the other science requirement.

Advanced Biology 11

Credit type: Advanced

Prerequisite: 80% recommended mix mark in Math and Science

A lab oriented course designed for students with a keen interest in science and willing to enrich their knowledge with INDEPENDENT study. Critical and creative thinking and analysis play an important role in the evaluation process. This course basically follows the same curriculum guidelines and outcomes set down by the Department of Education for Biology 11 Major topics include: Cells and membrane transport, bacteria and viruses, ecology, taxonomy, photosynthesis and a system analysis of cell respiration and representative organisms from several kingdoms. A lab exam will make up 10% of the final mark. INTERESTED COMMITTED STUDENTS ARE ENCOURAGED TO COMPLETE THIS COURSE DURING THEIR GRADE 10 YEAR.

Biology 12

Credit type: Academic

Prerequisite: Biology 11 or Advanced Biology 11

This course is a university preparatory course. The course follows the curriculum outlined by the Nova Scotia Department of Education including four units: Genetic Continuity, Maintaining Dynamic Equilibrium and Homeostasis, Reproduction and Development, Evolution, Change and Diversity. Students are required to complete several independent mini-research assignments related to the topics being studied. There are a few lab activities in the Biology 12 Course.

Advanced Biology 12

Credit type: Advanced

Prerequisite: Advanced Biology 11 or Biology 11 (with permission of instructor)

This course is intended for students with a keen interest in biology who are planning to take biology in university. The course includes an in-depth study of the topics of the biology 12 curriculum as outlined by the Department of Education. In addition to the required material lateral enrichment will come from the inclusion of additional topics such as biochemistry and evolution, independent assignments, project work, and oral presentations. The intention of this course is to provide students with the biology framework, independence and skills necessary to succeed at the next level.

Chemistry 11

Credit type: Academic

Prerequisite: Math 10 and Science 10

University preparatory Chemistry course. The emphasis of this course is on knowledge, skills and connections between science, technology, and society which are relevant to Chemistry. Topics include formula writing, bonding, chemical reactions, organic chemistry and gases. A full lab program is offered.

Advanced Chemistry 11

Credit type: Advanced

Prerequisite: Math 10 and Science 10; 75% recommended minimum mark

This is an honours level course for the serious student who has a keen interest in science. It is a continuation from topics introduced in Science 10. These include formula writing, bonding, chemical reactions, organic chemistry and gases. This course is accompanied by a full lab program.

Chemistry 12

Credit type: Academic

Prerequisite: Chemistry 11 & Math 11

This course is offered as the next level after successful completion of Chemistry 11. It is a university preparatory program with a strong correlation to technology and society. Topics include acids and bases, thermochemistry, equilibrium and electrochemistry. A full lab program is offered.

Advanced Chemistry 12

Credit type: Advanced

Prerequisite: Advanced Chemistry 11 (or permission of instructor) and Math 11

This course is offered as the next level after successful completion of Advanced Chemistry 11. It is an honours level course for students with a keen interest in science. Topics include acids and bases, thermochemistry, equilibrium and electrochemistry. A full lab program is offered.

Food Science 12

Credit type: Academic

Food Science 12 meets the second science requirement for high school graduation. Food Science 12 is an academic course designed to develop scientific literacy. The course is comprised of four modules: food constituents, preservation factors, food quality and commodities, food packaging. Lab work is essential throughout the course.

Geology 12

Credit type: Academic

Prerequisite: Chem 11 or Physics 11 or Bio 11

An introductory course in basic physical and historical geology designed to give the student experience in the various branches of the science.

This course will meet the second science course required for graduation.

Oceans 11

Credit type: Academic

This course offers students the opportunity to explore aspects of global and local oceanography and current ocean-related issues. It connects the study of oceanography with local economic and community interests. One of the priorities of the course is to increase students' knowledge of emerging new economies and opportunities in areas such as aquaculture and oceans management which offer new career opportunities. This course will meet the second science course requirement for graduation.

Physics 11

Credit type: Academic

Prerequisite: Math 10 and Science 10

A university preparatory, first year Physics course which continues from the topic (motion) introduced in Science 10. Additional topics include forces, momentum and energy, and waves. The course will emphasize knowledge and skills to enable students to appreciate the role of physics in Science, technology, and society. A full lab program is offered.

Advanced Physics 11

Credit type: Advanced

Prerequisite: Math 10 and Science 10; 75% recommended minimum mark

This is an honours level course for the serious student who has a keen interest in science. This course continues from the topic (motion) introduced in Science 10. Additional topics include forces, momentum and energy, and waves. A full lab program is offered. A major project will be required.

Physics 12**Credit type: Academic****Prerequisite: Physics 11 and Math 11**

This course is offered as the next level after successful completion of Physics 11. It is a university preparatory program with a strong correlation to technology and society. Topics include 2 - dimensional mechanics, field theory, modern physics and nuclear physics. A full lab program is offered.

Advanced Physics 12**Credit type: Advanced****Prerequisite: Advanced Physics 11 (or permission of instructor) and Math 11**

This course is offered after successful completion of Advanced Physics 11. This is an honours level course for the serious student who has a keen interest in Science. Topics include 2 - dimensional mechanics, field theory, modern physics, and nuclear physics. A full lab program is offered. A major project will be required.

SOCIAL STUDIES

Geography 11**Credit Type: Academic**

This course is designed to develop an awareness of the processes that have contributed to the shaping of the physical environment and man's effect on this environment. Geography 11 also covers contemporary Canadian geography. Students will study geographical factors such as climate, vegetation, and soil, and then apply this knowledge to study the human geography of Canada.

History 10**Credit type: Academic**

This is a survey course that deals with the characteristics of civilization. These characteristics will be examined by studying a number of early civilizations including Mesopotamia, Egypt, India, China, Greece, and Rome. This course covers the period of 4000 BCE up to the 1300s CE.

African Canadian Studies 11**Credit type: Academic**

This course focuses on the history of people of African descent in Canada. Students will be expected to demonstrate an understanding of the development of culture and Afrocentricity. This course is designed to equip students with a sound understanding of the global experience, local achievements, and contributions of Canadian people of African descent. It uses the disciplines of geography, history, economics, political science, and sociology to highlight the experiences, struggles, and life stories of people of African descent who have contributed to world history. Designed to be inclusive, African Canadian Studies 11 will appeal to learners of

all ability levels and ethnic and racial backgrounds. **This course will meet the Canadian Studies requirement that is compulsory for all graduates.**

Canadian History 11

Credit type: Academic

This course is designed to use both chronological and thematic approaches in the study of persistent questions in the history of Canada. It encourages students to investigate the historical roots of current concerns facing Canadians including: globalization, development, governance, sovereignty, and justice. **This course will meet the Canadian Studies requirement that is compulsory for all graduates.**

Geography 11

Credit type: Academic

This course covers contemporary Canadian geography. Students will study geographical factors such as climate, vegetation, and soil, and then apply this knowledge to study the human geography of Canada. It is recommended that Geography 10 be taken prior to this course.

Mi'kmaw Studies 11

Credit type: Academic

Mi'kmaw Studies 11 is a course that serves not only to highlight the Mi'kmaw experience, but also to provide opportunities for learners to gain an understanding of how they are connected to the history and culture of the First Peoples of the Maritimes. The course incorporates an inquiry-based approach and examines broad concepts such as governance, culture, justice, spirituality, and education. Students will analyse historical and contemporary Mi'kmaw issues, which enables them to achieve a greater understanding of, and respect for, both Mi'kmaw society and Mi'kmaw contributions to Canadian society. **This course will meet the Canadian Studies requirement that is compulsory for all graduates.**

Advanced Global Geography 12

Credit Type: Advanced

This course has been designed to create an awareness in today's youth of the interdependence of all inhabitants on Earth and the interconnectedness of our planet. Students learn about globalization and the importance of global citizenship. They will also delve into topics such as: sustainability, fair trade, human rights, environmental pollution, climate change, infectious diseases, and overpopulation, to name a few. Advanced students should be prepared to investigate, evaluate, and analyze these issues and to plan, research, and write a formal thesis-directed research paper. **This course will meet the global studies requirement that is compulsory for all graduates and the Advanced Certificate Program.**

Advanced Global History 12

Credit type: Advanced

This course has been designed as a means for students to meet the requirements or criteria for the Advanced Certificate Program. Compulsory units include the role of the Super Powers since 1945, origins and consequences of economic disparity, societal and technological change, global interdependence, and the pursuit of justice. Students should be prepared to investigate, evaluate, analyse, and debate these issues to a far greater degree than is required in Global History 12. Class members will be expected to plan, research, and write a formal thesis-directed research paper using the historical method. **This course will meet the Global Studies requirement that is compulsory for all graduates.**

Global Geography 12

Credit Type: Academic

This course has been designed to create an awareness in today's youth of the interdependence of all inhabitants on Earth and the interconnectedness of our planet. Students learn about globalization and the importance of global citizenship. They will also delve into topics such as: sustainability, fair trade, human rights, environmental pollution, climate change, infectious diseases, and overpopulation, to name a few. **This course will meet the global studies requirement that is compulsory for all graduates.**

Global History 12

Credit type: Academic

This course will examine major themes concerning the post-World War II era. Compulsory units include the role of Super Powers since 1945, origins and consequences of economic disparity, societal and technological change, global interdependence, and the pursuit of justice. **This course will meet the Global Studies requirement that is compulsory for all graduates.**

Law 12

Credit type: Academic

The purpose of Law 12 is to have students acquire knowledge of his/her legal rights and responsibilities. Legal process, problem solving techniques, and philosophy will be the foundation for the specific outcomes and topics of the course. The course includes the study of criminal, civil, family, property, and contract law through case studies, guest speakers, and court room visits.

Philosophy 12

Credit type: Academic

Students not only enjoy but are driven by questions at the high school level, especially those questions which appear to have no definite answer. Do philosophers do anything besides talk? What does it mean to be educated? Are ethics really important? How do I know I really exist? Philosophy 12 will be an exploration of philosophical issues, allowing students the opportunity to critically read, think, and express logically their views on many different topics and issues. Students will recognize they have biases and how these biases can interfere and affect true critical thinking.

Sociology 12

Credit type: Academic

The central focus of this course is providing students with a deeper understanding of the social groups and society in which humans live, with a particular focus on a Canadian context. All societies have social issues such as crime, poverty, divorce, and discrimination that affect the way they interact. Students will examine these controversial issues from an open-minded perspective. The course covers a variety of topics that will be of interest to the students, such as human behaviour, socialization and development, prejudice and discrimination, aggression and violence, crime and deviance and culture.

