2019-2020
Course Selection Guide

Table of Contents

General Information ..........................................................page 2
Credits to Graduate ............................................................page 3
Credit Types, Advanced Placement, French Immersion ....................page 4
Career Exploration Program .................................................page 5-6
Co-operative Education ........................................................page 7
Personal Development Credits ..............................................page 8-9
Common Pathways ..................................................................page 10-11
Courses for Grade 10 Students ..............................................page 12-16
Courses for Grade 11 Students ..............................................page 16-24
Courses for Grade 12 Students ..............................................page 24-31
2019-2020 Course Information

Message to Students
This booklet contains a listing of possible courses that may be offered at North Nova Education Centre during the 2019-2020 school year. It is necessary for students to register for their courses during the month of March, 2019. The information contained in this booklet will help you to make decisions regarding the courses you should select. It is in your best interest to discuss your selections with your parents/guardians, your guidance counsellor, and your teachers.

Required Course Load
In a semestered school, the year is divided into two equal semesters. The semesters run as follows: first semester is from September to the end of January and second semester is from February to the end of June. Each semester ends with a final examination period. During each semester, students take four courses for a total of eight courses per year.

Grade 10 students must register for eight credits; grade 11 students must register for eight courses. Students in grade 12 must register for a minimum of six courses or one more course than required to graduate.

Planning Your Program
- Prior to completing a course selection form, you should carefully consider your post high school goals and the requirements necessary to achieve them. Select courses and the level of difficulty that will enable you to obtain your goals.
- Plan your program as far as possible into the future. Some subjects have prerequisites. A three-year plan, beginning in grade 10, works best.
- A course listed in this booklet may be cancelled due to insufficient enrolment. Students are required to choose 2 alternate courses to be used in the event that a course does not run or there is a scheduling conflict.
- Care should be taken by students in their choice of courses to ensure that they meet the entrance requirements for post-secondary institutions. If you are unsure, you are encouraged to discuss this with one of the guidance counsellors.

Changes to Course Selections
- Course selections made in the spring will be considered final. Students must choose carefully and wisely. Do not select a course that you have already earned the credit for. Refer to the Earned Credits sheet that was provided to each student during the selection process to help determine the courses required to graduate.
- There will be NO COURSE CHANGES made to a student’s schedule once the master schedule for the school is built unless there are extenuating circumstances, such as a grade 12 student requires a specific course to meet graduation requirements or post-secondary admission requirements.
- Also, repeating a failed first semester course in the second semester should not be expected.
Credits to Graduate

It is ultimately the responsibility of each student to make sure that they take the necessary courses to meet graduation requirements. The following are minimum requirements for graduation and may not be sufficient for a student to meet entrance requirements for some post-secondary institutions or other career paths.

All students require 18 credits to graduate. No more than seven of the 18 credits may be grade 10 credits, and at least five must be grade 12 credits. No student will receive credit for two courses in the same specific subject area at the same grade level. For example, successful completion of English 11 and English Communications 11 will only count as one credit.

The following are compulsory credits for graduation:

**Language, Communication and Expression**
- 3 English: Grade 10, 11, 12
- 1 Fine Arts: Visual Arts 10, 11 or 12; Drama 10, 11 or 12; Music 10, 11 or 12; or Dance 11

**Science, Mathematics and Technology**
- 2 Mathematics (3 for students who entered Grade 10 in 2017-18 school year or after)
- 2 Sciences: one from Science 10, Biology, Chemistry or Physics and one other approved Science course
- 2 others from Mathematics, Science or Technology: eligible courses include Communication Technology 11 & 12, Construction Technology 10, Design 11, Film & Video Production 12, Home Trades Technology 12, Multimedia 12, Production Technology 11 & 12, Audio Recording/Production 12 and Business Technology 11

**Social Studies**
- 1 Canadian History: Canadian History 11, African Canadian Studies 11 and Mi’kmaq Studies 11
- 1 Global Studies: Global Geography 12, Global History 12, Global Politics 12 or Geographie Planteaure 12

**Physical Education**
- 1 Physical Education: Physical Education 10, 11 & 12, Exercise Science 12, Physically Active Living 11, Fitness Leadership 11, Physical Education: Martial Arts 11, Yoga 11 or Dance 11.

**Credit Courses**
Courses are identified by course title, grade level, credit type and credit value. A credit is the recognition of the successful completion of a course of work that would normally be competed in a minimum of 110 hours of scheduled time.
Credit Types
Each course is categorized as one of the following credit types:

**Advanced Placement:** University level courses which cover topics in greater depth and detail than regular high school courses.

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

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

**Open:** Although none of the open courses are designed to meet the specific entrance requirements of any post-secondary institution, individual courses may meet entrance requirements of some institutions.

**Graduation:** These courses are designed for students who wish to obtain a graduation diploma with a view of proceeding to employment or some selected areas of post-secondary study.

Advanced Placement Courses
AP courses give students the opportunity to take university level courses while still in high school. The courses cover topics in greater depth and detail than regular high school courses. Students will be able to develop skills, such as writing skills, problem solving techniques, and study habits which are expected of university students. Taking AP courses demonstrates maturity, a willingness to push oneself intellectually and a commitment to academic excellence which can help a student stand out in the university admissions process. Each AP course has a corresponding AP exam that schools worldwide administer in May. AP exam grades (if sufficiently high) could earn students credit, placement or both at universities in Canada or around the world. For more information on AP courses, contact Student Services or visit [www.ap.ca](http://www.ap.ca).

French Immersion Program
Students wishing to obtain the French Immersion certificate need to earn nine French Immersion credits over the three years of high school - including French Immersion Language Arts in grades 10, 11 and 12.

Students who choose to pursue the Immersion certificate will most likely follow this path in high school in beginning next year in grade 10:

**Grade 10**
- French Immersion 10
- Sciences 10
- Art Dramatique 10
- Biologie 11

**Grade 11**
- French Immersion 11
- Historie du Canada 11
- Biologie 12

**Grade 12**
- French Immersion 12
- Geographie Panetaire 12

Please note that modifications may be made to this path depending upon enrollment. It is the number of students who are registered in the French Immersion Program at each grade level that determine the courses that we offer each year.
This is a three-year program designed as an alternative to secondary school for students who are interested in a program that combines academic courses with occupational skills training and on-the-job experience. Students entering grade 10 are eligible to apply for the Career Exploration Program. Students entering grades 11 & 12 will also be considered.

The following is a list of the shop options. Additional shops may be offered as demand and resources allow. The school reserves the right not to offer a shop/course should unforeseen circumstances arise.

**Automotive:** Auto Systems, Auto Maintenance 11 & 12

**Building Systems:** Building Systems Maintenance, Building Systems Technology 11 & 12

**Food Service:** Food Preparation and Service 10, Dining Guest Services 11 &12 & Food Science 12

**Human Health Services:** Family Studies 10 & 12, Child Studies 11, Canadian Families 12

Each of these shops is accompanied by a co-op work placement credit. Students will take part in work experience for a total of four weeks, two weeks in the fall and two weeks in the spring. The co-op work placement must relate closely to the shop course the student is taking.

Students completing this program will graduate with a NS High School Diploma and can go to community college or other suitable post-secondary program or directly to work. After three years in the Career Exploration Program most students will have the following: 12 weeks of Co-op work experience; WHMIS; First Aid; additional certificates such as Fall Arrest & Food Safe Level I; and a resume.

If you would like more information, please call the Career Exploration Program Department Head, Andrew Parsons at 902-755-8180 x 6141.
Career Exploration Program Course Descriptions

AUTOMOTIVE
AUTO SYSTEMS 11 & 12, AUTO MAINTENANCE 11 & 12

These hands-on courses look at how to maintain and repair motor vehicles. Students will learn about automotive systems, such as brakes, electrical, tire service, and ignition systems. Students will participate in performing basic repairs, welding and soldering techniques, and carry out on-going preventive maintenance for many different kinds of vehicles and engines.

Students are expected to work safely, wear their own work boots (CSA safety approved) for all classes, and are expected to use many different hand and power tools, such as air tools, jacks and hoists, tire changer/balancer, welding equipment, and specialty tools. No prior experience is required for these courses. Students should be able to work individually and in small groups, attend regularly, and complete two 2-week co-op work placements.

These courses are ideal for those interested in a career as an automobile mechanic, heavy equipment repair technician, small engine service tech, or any other mechanical trade.

BUILDING SYSTEMS
BUILDING SYSTEMS MAINTENANCE 11 & 12
BUILDING SYSTEMS TECHNOLOGY 11 & 12

These hands-on courses look at how buildings are constructed, basic electrical wiring, and plumbing systems. Students will learn how to make buildings using wood, how to plan and join plumbing parts found in most homes, how to wire basic electrical systems and basic landscaping techniques.

Students are expected to work safely, wear their own work boots (CSA safety approved) for all classes, and are expected to use many different hand and power tools, such as hammers, drills, saws, soldering torches, routers, air tools, ladders and scaffolds. No prior experience is required for this course. Students should be able to work individually and in small groups, attend regularly, and complete two 2-week co-op work placements.

This course is ideal for those interested in a career as a carpenter, electrician, plumber, and any other construction trades.

FOOD STUDIES
FOOD PREPARATION AND SERVICE 10 & FOOD SCIENCE 12, DINING GUEST SERVICES 11 & 12

These courses utilize a hands-on approach which allows students to develop skills suitable for employment in the food industry. Students will practice food preparation in a commercial kitchen setting, learn menu planning, preparation and plating of food.

Students will take, Food Safe Level I, a course offered in class and practice safety and sanitation in the lab.

In the dining area of the classroom, students will learn cashiering, hosting, setting tables, waiting, setting of meeting rooms, handling customer complaints, supervising and organizing reservations. Students will also complete two 2-week work placements in the industry.

HUMAN HEALTH SERVICES
FAMILY STUDIES 10 & 12, CHILD STUDIES 11
CANADIAN FAMILIES 12

These courses provide a wide range of experiences and learning opportunities related to the expanding field of child and elder care. As a result of these course students will develop some of the skills and knowledge to participate in taking care of children and/or seniors. These courses provide many opportunities for hands-on learning as they explore issues surrounding nutrition, food, human physiology, housing, child development, and ageing.

This course is ideal for students who want to work with others in a capacity of providing safe and meaningful care. Students will be expected to adhere to the appropriate behavior and attitudes that are expected in the workplace. Students should be able to work individually and in small groups, attend regularly, and complete 2 two-week co-op work placements.

This course is intended for those interested in a career in nursing, day care, medicine, elder care, early childhood education, teaching, or other related education and health careers.
Co-operative Education

The Co-operative Education course is a career oriented course designed to integrate classroom theory with practical workplace experience. Co-operative Education enables the student to explore a career area, gain valuable knowledge and experience, and develop necessary employment skills and attitudes while earning a high school credit recognized by some post-secondary institutions. Students should check with the university of their choice to ensure that the Co-operative Education credit will be used in an admission average.

Students must be 16 years of age to enroll in Co-operative Education and must demonstrate maturity and a sense of readiness for the independent nature of this program.

Students are required to complete 25 hours in the classroom at the beginning of the course. During this time students engage in self-assessment exercises, career exploration, and workplace preparation including; resume, cover letter and interview skills. Students will also gain certifications in St John Ambulance First Aid, WHIMIS and Safe@myjob. Students must complete all requirements of the in-school component of Co-operative Education before beginning work placements.

Students are required to complete 100 hours of community based on-site training. During this time students must participate fully by showing interest and having a positive attitude. Students must also complete daily logs, time sheets, and reflective assignments during their placement. Failure to meet the requirement of 100 hours of work will result in loss of credit.

The co-op teacher will assist students in finding an appropriate work placement. The student’s placement is supported and agreed upon by the student, co-op teacher, community placement and parent/guardians. The work placement component can take place during or after school hours, on weekends, and/or during vacations in accordance with board and school policies and agreed upon arrangements between the Co-op teacher, community placement, and student. The student is responsible for their transportation, on a daily basis, to the community based on-site training.

Students who wish to enroll in Co-operative Education must complete an application which needs to be filled out and signed by a parent/guardian and include both community and teacher references. Once accepted into the Co-op program, the student is making a commitment to this course for the following school year.

To obtain or submit an application or for questions regarding Co-operative Education credits students are asked to see Mrs. Cavelle Hughes, our Co-op teacher at North Nova. She can be reached in her room 2011, by email at HughesC@ccrsb.ca or by phone at 902-755-8180 ext. 211.
# Personal Development Credits

Beginning in September 2012, students were eligible to receive an **elective credit** in high school for pursuing their interests and developing their talents through a variety of approved courses that they would take outside of school. The Department of Education will recognize one personal development credit from a list of approved courses/programs. This credit can be used as an elective credit towards the eighteen credits needed to graduate. The number of service providers that have been approved continues to grow each year. Further information and forms can be found on the Department of Education’s website at [https://pdc.ednet.ns.ca/](https://pdc.ednet.ns.ca/).

**Effective September 2017**

<table>
<thead>
<tr>
<th>Service Providers and their Course Titles</th>
<th>Power School Course Name</th>
<th>Grade Level</th>
<th>Credit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cadence Academy</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canadian Teachers’ Association Intermediate Ballet</td>
<td>Intermediate Ballet 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Canadian Teachers’ Association Advanced Ballet</td>
<td>Advanced Ballet 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Canadian Cadet Organizations</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Rifle Marksmanship Instructor</td>
<td>Cadet Air Rifle Instructor 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Drill and Ceremonial Instructor</td>
<td>Cadet Drill Instructor 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Fitness and Sports Instructor</td>
<td>Cadet Fitness Instructor 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Intermediate Sail</td>
<td>Cadet Intermediate Sail 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Military Band—Intermediate Musician Course</td>
<td>Military Band Intermediate 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Pipe Band—Intermediate Musician Course</td>
<td>Pipe Band Intermediate 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Ship’s Boat Operator</td>
<td>Cadet Boat Operator 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Survival Instructor Course</td>
<td>Cadet Survival Instructor 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Advanced Aerospace</td>
<td>Cadet Advanced Aerospace 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Advanced Aviation Technology Course—</td>
<td>Aircraft Maintenance Adv 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Aircraft Maintenance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Aviation Technology Course—</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Airport Operations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boatswain’s Mate</td>
<td>Cadet Boatswains Mate 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Military Band—Advanced Musician Course</td>
<td>Military Band Advanced 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Pipe Band—Advanced Musician Course</td>
<td>Pipe Band Advanced 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Sail Coach</td>
<td>Cadet Sail Instructor 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Glider Pilot Scholarship</td>
<td>Cadet Glider Pilot 12</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td>Power Pilot Scholarship</td>
<td>Cadet Power Pilot 12</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td>Expedition Instructor Course—Royal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canadian Army Cadet Program</td>
<td>Expedition Instructor 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Canadian Red Cross</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assistant Water Safety Instructor</td>
<td>Assistant Water Safety Instructor 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Water Safety Instructor</td>
<td>Water Safety Instructor 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Assistant Lifeguard</td>
<td>Assistant Lifeguard 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Pool Lifeguard</td>
<td>Pool Lifeguard 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Catapult Leadership Society</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Catapult Plus</td>
<td>Catapult Plus 10</td>
<td>10</td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Dance Nova Scotia</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Highland Dance Premier Dance Personal</td>
<td>Dance NS Highland Dance 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Credit Program</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-professional Ballet Program</td>
<td>Dance NS Ballet 12</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td>Service Providers and their Course Titles</td>
<td>Power School Course Name</td>
<td>Grade Level</td>
<td>Credit Value</td>
</tr>
<tr>
<td>------------------------------------------------------------------</td>
<td>-----------------------------------------------</td>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td><strong>Department of National Defence</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic Training Course</td>
<td>Basic Training 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>The Duke of Edinburgh's Awards</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Duke of Edinburgh Bronze</td>
<td>Duke of Edinburgh Bronze 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Duke of Edinburgh Silver</td>
<td>Duke of Edinburgh Bronze 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Duke of Edinburgh Gold</td>
<td>Duke of Edinburgh Bronze 12</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Nova Scotia Forestry Association</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nova Scotia Envirothon</td>
<td>Envirothon 11</td>
<td>11</td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Girl Guides of Canada</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada Cord</td>
<td>Canada Cord 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Chief Commissioner's Gold Award</td>
<td>Commissioner Gold Award 12</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Gymnastics Nova Scotia</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NCCP Gymnastics Foundation in Coaching</td>
<td>Gymnastics Coach 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Junior Achievement</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Company Program A (English)</td>
<td>JA Company Program 10A</td>
<td>10</td>
<td>0.5</td>
</tr>
<tr>
<td>The Company Program B (English)</td>
<td>JA Company Program 10B</td>
<td>10</td>
<td>0.5</td>
</tr>
<tr>
<td>The Company Program A (French)</td>
<td>Programme Jun Achievement 10A</td>
<td>10</td>
<td>0.5</td>
</tr>
<tr>
<td>The Company Program B (French)</td>
<td>Programme Jun Achievement 10B</td>
<td>10</td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Italian Language School</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Italian Language and Culture Level A1</td>
<td>Italian Language 10</td>
<td>10</td>
<td>0.5</td>
</tr>
<tr>
<td>Italian Language and Culture Level B1</td>
<td>Italian Language 11</td>
<td>11</td>
<td>0.5</td>
</tr>
<tr>
<td>Italian Language and Culture Level B2, C1, C2</td>
<td>Italian Language 12</td>
<td>12</td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Lifesaving Society of Nova Scotia</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifesaving Instructor</td>
<td>Lifesaving Instructor 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Nova Scotia 4-H Program</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nova Scotia 4-H Gold</td>
<td>NS 4H Gold 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Nova Scotia Equestrian Federation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NCCP—English Instructor of Beginning Coaching</td>
<td>Equestrian Eng. Coach 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>NCCP—Western Instructor of Beginning Coaching</td>
<td>Equestrian West. Coach 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Nova Scotia Registered Music Teachers' Association</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Royal Conservatory of Music Level 6 Practical and Level 6 Theory</td>
<td>RC Music 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Royal Conservatory of Music Level 7 Practical and Level 7 Theory</td>
<td>RC Music 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td>Royal Conservatory of Music Level 8 Practical and Level 8 Theory</td>
<td>RC Music 12</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Nova Scotia Scouts Canada</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chief Scout Award</td>
<td>Chief Scout 10</td>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>Queen’s Venturer Award</td>
<td>Queen’s Venturer 12</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Skate Canada Nova Scotia</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary STAR SkateCoach</td>
<td>STARSkate Coach 11</td>
<td>11</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Swim Nova Scotia</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NCCP Swimming Fundamentals Coach Level 1</td>
<td>Swimming Fundamentals Coach 11</td>
<td>11</td>
<td>1.0</td>
</tr>
</tbody>
</table>
Senior High English: Common Pathways

Academic English 10

English Communications 11

Academic English 11

Advanced English 11

English Communications 12

Academic English 12

Advanced Placement English 12

Graduation Credit Type

Academic Credit Type

Advanced Credit Type
Senior High Science: Common Pathways

Science 10

Human Biology 11

CSI Science 12

Biology 11
Chemistry 11
Oceans 11
Physics 11

Advanced Chemistry 11
Advanced Physics 11

Biologie 11 Imm

Biology 12
Chemistry 12
Geology 12
Physics 12

Advanced Placement Chemistry 12

Biologie 12 Imm

Senior High Mathematics: Common Pathways

Mathematics Essentials 10

Mathematics Essentials 11

Mathematics Essentials 12

Mathematics at Work 10

Mathematics at Work 11

Mathematics at Work 12

Mathematics 10

Mathematics 11

Mathematics 12

Pre-Calculus 11

Pre-Calculus 12

Calculus 12

Open Credit Type
Graduation Credit Type
Academic Credit Type
Advanced Credit Type
Courses for Grade 10 Students

All students must take 8 credits. All grade 10 students must take English, Math, Science and a fine arts credit plus enough elective courses to total eight credits. Please note: One of the courses taken must be at the grade 11 level as students can only seven (7) grade 10 credits can be used towards graduation. All subjects count as 1 credit unless otherwise indicated below.

**Languages**

**Choose 1**
- English 10 (A)
- English 10 Plus (A) (2 credits)
- English 10 (A) & Francais Immersion 10 (A) (2 credits)

**Mathematics**

**Choose 1**
- Mathematics 10 (A) (2 credits)
- Mathematics at Work 10 (G)
- Mathematics Essentials 10 (G)

**Science**

**Choose 1**
- Science 10 (A)
- Sciences 10 IMM (A) & Biologie 11 (A) (2 credits)

**Fine Arts**

**Choose a**
- Art Dramatique 10 IMM (A)
- Dance 11 (A)
- Drama 10 (A)
- Music 10 (A)
- Music Instrumental Band 10 (A)
- Music Vocals 10 (A)
- Visual Art 10 (A)

**Electives**

- Biology 11 (A)
- Business Technology 11 (A)
- Career Development 10 (O)
- Child Studies 11 (O)
- Communications Technology 11 (A)
- Construction Technology 10 (O)
- Core French 10 (A)
- Design 11 (A)
- Geography 10 (A)
- History 10 (A)
- Physical Education 10 (O)
- Physically Active Living 11 (O)
- Skilled Trades 10 (A)

**Career**

- Automotive (O) (2 credits)
- Building Systems (O) (2 credits)
- Food Service (O) (2 credits)
- Human Health Services (O) (2 credits)

**Exploration**

- Building Systems (O) (2 credits)
- Child Studies 11 (O)

**Program**

- Business Technology 11 (A)
- Sciences 10 IMM (A) & Biologie 11 (A) (2 credits)

**Minimum of 1**

**ART DRAMATIQUES 10**

This course will be offered to students in the French Immersion program. The course content is the same course as the Drama 11 course. (Please see Drama 10 course description).

**BIOLOGIE 11**

This course will be offered to students in the French Immersion program. The course content is the same course as the Biology 11 course. (Please see course description below).

**BIOLOGY 11**

This academic course examines the form, function and diversity of major groups of organisms. Emphasis is placed upon understanding how living things work and their relationship to each other. Topics include: The Cell and Homeostasis, Taxonomy, Bacteria and Viruses, The Immune, Digestive and Circulatory systems, Fungi and Protists, Invertebrates and Vertebrates.

This course is designed to provide a strong foundation for students planning to take Biology 12 and for those pursuing further post-secondary studies in the science-related areas. Students are expected to do corresponding readings from the textbook and take notes daily as there is a considerable amount of new content and vocabulary to learn. There is a lab component with lab quizzes, weekly assignments, monthly major tests and a final exam.

Students in grade 10 must be enrolled in Math 10 and have successfully completed Science 10.

**BUSINESS TECHNOLOGY 11**

In this course students begin by learning to type properly using the touch keyboarding method. They will learn to prepare various documents, including personal and business letters, academic reports, and resumes. They will create spreadsheets to manage data. Students will use desktop publishing to design and produce a variety of documents, including cards, invitations, certificates, and newsletters. They will become confident and purposeful users of the computer.

Students will be evaluated on their typing technique, daily work in the computer lab, as well as tests and exams. Students will achieve a typing speed of 40 words per minute.

This course fulfills the Technology requirement for graduation.

**CAREER DEVELOPMENT 10**

Career Development 10 will assist students in developing a career plan, to make decisions about their future, and to prepare for the world beyond high school. The course is designed to help young people to understand themselves, to manage their personal lives and resources (including financial resources), and to develop the ability to organize and shape their careers.

The students will develop their abilities to communicate, think, and deal with their feelings. They will explore realistic personal goals, assess their own abilities and realize how these actions will affect their learning and decision–making processes. Students will learn to develop their understanding of how relationships, health, careers, and resources affect their lives. Through an increased awareness of self, students will be able to contribute more positively to the well...
The evaluation for this course consists of in-class assignments, projects and tests. Students who are interested in planning for their future career paths would be interested in this course.

CHILD STUDIES 11
Child Studies 11 is designed to provide students with a background on parenthood and childhood development. Topics covered in the course include Decisions about Parenthood, The Beginning of Parenthood, Early Childhood Development, Special Concerns in Child Development and Practical Experiences with Children. This course has no final exam.

COMMUNICATIONS TECHNOLOGY 11
This course offers students the chance to experience a wide variety of hands-on technology, including digital photography, technical design (3D dimensional objects), graphic design (Logo screen printing design), video production (short video clips), and animation (stop-time or digital).

Students will become familiar with several computer-assisted programs (Google Sketch-Up, Studio 8), as well as practical tools for graphic design (Microsoft Publisher). This course involves several student-directed projects and assignments which require the ability to work well in groups, basic math skills, problem solving skills and knowledge of the design process. Students will complete a major project in place of a final exam.

This course fulfills the Technology requirement for graduation.

CONSTRUCTION TECHNOLOGY 10
This course gives the student a general understanding of the construction industry with a main focus on light construction. Students will study the basic concepts of modern house frame construction and will construct a model house using basic wood working tools. AutoCAD computer software is taught and used for construction diagramming. This is a course where each student is assessed mainly on written assignments, models that have been designed and built by the student and by several small tests (no exam).

Core French 10 allows students to participate actively and to communicate in situations which are relevant and real to them. Students are exposed to oral and written texts on themes such as driving, part-time work, careers and travelling. They learn to describe people and events, to express their point of view, to take notes and to keep a journal.

Students work individually and in small groups throughout the course. Students will be evaluated on their oral and written competency as they complete class activities, projects, and tests. Students will be required to complete a final examination in this course. French 10 is an academic credit.

Please note that French is the language of instruction and communication in the classroom. It is expected that students enrolling in Core French 10 have successfully completed French 9. This course is not intended for students who are leaving French Immersion.

DANCE 11
Dance 11 is designed for all students with or without formal dance training. It emphasizes creativity, movement, composition and presentation/performance. The course explores a range of dance styles with specific work on focused genres.

The final assessment will be participation in a dance performance.

This course fulfills a Fine Arts or a Physical Education requirement for high school graduation.

DESIGN 11
Design 11 is a course that examines advertising, environmental issues of design (wind power), architectural design (floor plans, house plans and products), sketching designs and graphic art. Students will become familiar with several computer assisted drafting programs (Google Sketch-Up, Auto-CAD), as well as practical tools for graphic design (Microsoft Publisher).

This course involves several student-directed projects and assignments which require basic math skills, problem solving skills and knowledge of the design process.

For this course students should be interested in designing/redesigning products, have creativity, and the ability to visualize a final product. Students are required to complete a major project in place of a final exam.

This course fulfills the Technology requirement for graduation.

DRAMA 10
Drama 10 is an introductory course in drama focusing on the personal growth of the student. Through extensive work in improvisation, both in small and large groups, students gain confidence as they explore and communicate ideas, experiences, and feelings in a range of dramatic forms. This is an excellent course for students who wish to develop skills, and improve their comfort level with making presentations in front of a live audience.

Students are expected to participate in all aspects of the course. Some classes will involve activities of movement and a final performance at the end of the semester will replace a written exam.

This course fulfills the Fine Arts requirement for graduation.

ENGLISH 10
English 10 is one of two options the first of three compulsory high school language arts credits designed to enhance students’ language skills, including speaking, listening, writing, reading, viewing and dramatizing. These skills are most often developed through the study of a variety of literary genres, including short stories novels, poetry and drama.

All grade 10 students must complete English 10 or English 10 Plus before being offered a choice of English courses in grades 11 and 12.

A formal, Provincial examination will take place at the end of the course.

ENGLISH 10 PLUS
English 10 Plus is one of two options for the first of three compulsory high school language arts credits designed to enhance and refine students’ language skills, including speaking, listening, writing, reading, viewing and dramatizing. This option offers students a year-long
English course (two credits) to explore current issues and topics that are relevant to their lives in order to improve communication skills and further develop their critical thinking. Language skills and social and emotional development will be refined through the study of a variety of literary genres, including short stories, novels, poetry, and drama.

All grade 10 students must complete English 10 or English 10 Plus before being offered a choice of English courses in grades 11 and 12.

A formal, Provincial examination will take place at the end of the course.

FRANÇAIS – IMMERSION 10
This immersion course emphasizes using French for a variety of purposes. This course is conducted entirely in French. This course is instructed entirely in French therefore students will be expected to speak French at all times during class. Students are engaged in listening and speaking experiences that require them to communicate information and respond orally to a variety of texts, such as conversations, interviews, documentaries, articles, poems, short stories, and novels.

Students are engaged in written activities through which they present information, write letters, and express their feelings about different events and situations. The course also explores other forms of viewing and representing.

GEOGRAPHY 10
This course will provide an awareness of the processes that have contributed and continue to contribute to the shaping of our environment. Local and global environmental issues will be discussed in an attempt to help the student understand the nature of our environment. Some of the topics included in this course are: Physical Geography, Energy Systems in the Geosphere, The Atmosphere including Weather and Climate and The Lithosphere including Elements, Minerals, Rocks and Plate Tectonics. There is a final exam in this course.

HISTORY 10
This course provides a study of the origin of humans and the development of their many civilizations around the world in ancient times. Specific cultures studied may include Egypt, India, China, Greece, Rome, Japan, and Europe in the Middle Ages. Students have the opportunity to learn how these ancient cultures enrich modern life.

Expression of concepts learned is welcomed in many forms including: literature, speaking/debating, technology and so on. This is a high-interest course for students wishing to know about the distant origins of modern society. There is a final exam in this course.

MATHEMATICS AT WORK 10
Mathematics at Work 10 is an introductory high school mathematics course which demonstrates the application and importance of key math skills.

The new Mathematics at Work course is designed to provide students with the mathematical understandings and critical-thinking skills identified for direct entry into the workplace or for entry into programs of study that do not require academic mathematics.

The typical pathway for students who successfully complete Mathematics at Work 10 is Mathematics at Work 11 followed by Mathematics at Work 12.

Students in Mathematics at Work 10 will explore the following topics: measurement, area, Pythagorean theorem, trigonometry, geometry, unit pricing and currency exchange, income, and basic algebra.

MATHEMATICS 10
This course will be presented as a 220-hour course. This will mean that students will have mathematics class every day for their grade 10 year.

Mathematics 10 is an academic high school mathematics course which is a pre-requisite for all other academic and advanced mathematics courses. Students who select Mathematics 10 should have a solid understanding of mathematics from their junior high years. This means that students would have demonstrated satisfactory achievement of learning outcomes in grade 9 mathematics. Students in Mathematics 10 will explore the following topics: 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.

There are two typical pathways for students who successfully complete Mathematics 10: For those students intending to follow the academic pathway, Mathematics 10 will be followed by Mathematics 11 and then Mathematics 12. (Mathematics 11 and Mathematics 12 are 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).

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

Note: Mathematics 10 is a 220-hour, two-credit course. Successful completion will result in two mathematics credits—one of these is an eligible credit for the two mathematics credits required for graduation. The other credit is an eligible credit for the two others from mathematics, science, and/or technology.

A formal, Provincial examination on the year’s work will take place at the end of the course.

MATHEMATICS ESSENTIALS 10
Mathematics Essentials 10 is an introductory high school mathematics course designed for students who do not intend to pursue post-secondary study or who plan to enter programs that do not have any mathematics pre-requisites.

Mathematics Essentials courses are 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 the real world and will become more confident in their mathematical abilities.

The typical pathway for students who successfully complete Mathematics Essentials 10 is Mathematics Essentials 11.

Students in Mathematics Essentials 10 will explore the following topics: mental math, working and earning, deductions and expenses, paying taxes, making purchases, buying decisions, probability,
measuring and estimating, transformation and design, and buying a car.

**MUSIC 10**
Music 10 includes a study of the different eras of music with an emphasis on 20th century music, and current music trends. There is a multi level approach to the learning of theory, depending on experience, ear training, group composition and writing with an introduction to the recording facilities available. There is an introduction to the music writing software available.

Evaluation is comprised of composition, quizzes, daily participation, projects and a journal. This course promotes creativity and developing the skills of organization, cooperative work processes and presentation.

This course fulfills the Fine Arts requirement for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.

**MUSIC INSTRUMENTAL BAND 10**
This course is a continuation of junior high instrumental music. Students interested in this course should have a minimum of 2 years experience playing a band instrument and be proficient in reading music.

This performance-based course will focus on individual instrument technique, ear training, theory and music history. Through the study of traditional band literature, students will explore various styles, composers, arranging techniques and historical content. Technology will be introduced to enhance music composition and aural skill training.

Evaluation in this course will be based on individual/group performance testing, ear training, ensemble work and short quizzes. There is no final exam in this course.

This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.

**MUSIC VOCALS 10**
Music Vocals 10 teaches through choral singing. There will be theory, history and ear training taught through the thorough study of choral preparation and performance. There will be an emphasis on vocal technique and singing musically within a choir. There will be a large variety of styles and musical eras covered.

There is one rehearsal per week outside of regular class time, on Tuesday mornings at 8 o’clock. This will also include choir members from outside of the class.

Evaluation will include quizzes, chamber concert performances, technique testing, small group compositions and projects, and assignments. If you find joy in singing, and have a desire to learn more about music, this course is for you.

This course fulfills the Fine Arts requirement for school graduation.

Please Note: Students can only receive one music credit per grade level towards graduation.

**PHYSICAL EDUCATION 10**
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 theory components, as well as students having the opportunity to participate in a variety of indoor and outdoor fitness, sport and recreational experiences. The focus of this course is to have students assume responsibility for active, healthy living. The course is divided into four modules: Outdoor Pursuits, Exercise Science, Personal Fitness, and Leadership.

Evaluation consists of tests, projects, and regular skills/fitness tests. Students must be physically active, motivated and have a genuine interest in physical activity, games and/or sports. There is no final exam in this course.

This course fulfills the Physical Education requirement for high school graduation.

**PHYSICALLY ACTIVE LIVING 11**
This 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.

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. Weekly fitness assessments are important parts of the program. The theory component of the course will enhance student understanding of community recreation opportunities, personal fitness, and healthy living. There is no final exam in this course.

This course fulfills the Physical Education requirement for high school graduation.

**SCIENCE 10**
Science 10 is designed to expose students to the three main disciplines in science available at the grade 11 and 12 level. These disciplines include physics, chemistry and biology. The program contains four main units: Sustainability of Ecosystems, Chemical Reactions, Weather Dynamics, and Motion. Each of the units will introduce students to a variety of concepts which will help develop their scientific literacy skills and attitudes that create an appreciation for science. Students will be fostered to develop skills in analysis, synthesis and to explore the interrelationships that exist between variables in scientific experiments. There is a final exam in this course.

**SCIENCES 10 (IMM)**
This course is open to students in the French Immersion program. The topics covered are the same as those covered in Science 10 (see above description).

**SKILLED TRADES 10**
Skilled Trades 10 models the realities of working in skilled trades professions. Skilled Trades 10 will engage students in an investigation into the skilled trades, the impact that they have on society, and the opportunities that exist for those who pursue a livelihood by working as skilled tradespersons. The course provides a unique mixture of classroom and simulated workplace activities. Working with hand tools used by professional trades people, students complete real construction tasks and building projects. The course is divided into 4 main areas: Safety, Skilled Trades Living, Measurement and
Calculation, and Tools and Materials.

**VISUAL ARTS 10**
The first year high school art course concentrates on developing basic art skills and an understanding of the core content of drawing and design, painting, sculpture, printmaking, and art history. In order to help students develop their understanding of concepts in art and to prepare them for future studies in art, drawing/design and art history will be related to every aspect of the year’s work.

This course fulfills the Fine Arts requirement for high school graduation.

**Courses for Grade 11 Students**

*All students are required to select a minimum of eight (8) courses.*

**Grade 11 students are permitted to choose one (1) course at the grade 12 level.**

**Please Note:** All subjects count as 1 credit unless otherwise indicated below.

<table>
<thead>
<tr>
<th>Languages</th>
<th>Mathematics</th>
<th>Canadian Content</th>
<th>Science</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose 1</td>
<td>Choose a</td>
<td></td>
<td>Minimum of 1</td>
<td></td>
</tr>
<tr>
<td>Advanced English 11 (ADV)</td>
<td>Mathematics 11 (A)</td>
<td>African Canadian Studies 11 (A)</td>
<td>Advanced Chemistry 11 (ADV)</td>
<td>Communications Technology 11(A)</td>
</tr>
<tr>
<td>English 11 (A)</td>
<td>Mathematics at Work 11 (G)</td>
<td>Canadian History 11 (A)</td>
<td>Advanced Physics 11 (ADV)</td>
<td>Co-op Ed. 11 (A)</td>
</tr>
<tr>
<td>English Communications 11 (G)</td>
<td>Mathematics Essentials 11 (G)</td>
<td>Mi'kmaw Studies 11 (A)</td>
<td>Biology 11 (A)</td>
<td>Core French 10 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td>Pre-Calculus11 (ADV)</td>
<td><strong>Minimum of 1</strong></td>
<td>Biologie 11 IMM (A)</td>
<td>Dance 11 (A)</td>
</tr>
<tr>
<td><strong>Choose a</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose a</strong></td>
<td>Biologie 12 IMM (A)</td>
<td>Dance 12 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose a</strong></td>
<td><strong>Minimum of 1</strong></td>
<td>Chemistry 11 (A)</td>
<td>Design 11 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td>Human Biology 11 (G)</td>
<td>Drama 11 (A)</td>
</tr>
<tr>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Oceans 11 (A)</td>
<td>Economics 11 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td>Physics 11 (A)</td>
<td>Entrepreneurship 12 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Exercise Science 12 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Film &amp; Video Production 12 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Fitness Leadership 11 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Francais-Immersion 11 IMM (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>History 11 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Integrated Arts 11 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Law 12 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Multimedia 12 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Music 11 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Music Instrumental Band 11 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Music Vocals 11 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Musical Theatre 12 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Production Technology 11 (O)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Psychology 12 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Physical Education 11 (O)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Physical Education Leadership 12 (O)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Physical Education: Martial Arts 11</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Physically Active Living 11 (O)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Yoga 11 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Sociology 12 (A)</td>
</tr>
<tr>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td><strong>Minimum of 1</strong></td>
<td><strong>Choose 1</strong></td>
<td>Visual Arts 11 (A)</td>
</tr>
</tbody>
</table>

**ACCOUNTING 11**

This course provides students with practical business and financial knowledge and skills. Students will apply accounting principles and concepts as they learn basic accounting skills. They will learn the complete accounting cycle, including topics such as the accounting equation, journalizing and posting transactions, processing cash receipts and payments, and preparing financial statements. They will also learn to manage their personal finances and make sound decisions about life careers and choices. Students will be introduced to accounting software and spreadsheet software to complete various tasks throughout the course.

Students will be evaluated on daily work, projects, and tests. There is also a final examination in this course.

**ADVANCED CHEMISTRY 11**

Prerequisite: Successful completion of Math 10 & Science 10. A minimum final mark of 75 in Science 10 is recommended.

Advanced Chemistry is a course based on the "Chem Study" program. It is orientated towards the development and improvement of problem solving skills. This course attempts to prepare students to be more than ready for a first year college chemistry course. Topics covered include stoichiometry, atomic theory, kinetic molecular theory, gases, liquids, solids, Periodic Law, Thermo chemistry, Kinetics, and an introduction to organic nomenclature.

This course is strongly recommended for students planning to enroll
in Advanced Placement Chemistry 12.

**ADVANCED ENGLISH 11**

Prerequisite: Successful completion of both English 10. A minimum final mark of 75 in both subjects is recommended.

Advanced English 11 is an intensive program of study that offers a challenging curriculum designed to broaden knowledge in English Literature as well as hone skills, encourage personal initiative, risk-taking, responsibility, independence, and leadership. The outcomes of Advanced English 11 are those of English 11, but with further emphasis on the development of abstract thinking, critical analysis, awareness of personal and cultural paradigms, and the sophisticated articulation of these focuses.

Students will explore the purpose and nature of language, and its power in shaping society as well as the history of the English Language and various literary movements. Students will participate in a variety of learning situations, such as research, speeches, cooperative group work, debates, independent study, and use of technology.

Spelling, grammar and mechanics of writing are also an integral component, as well as functional use of the MLA guide. Students will be immersed in an intense course requiring extensive personal and classroom reading, writing and reflection.

This course is strongly recommended for students planning to enroll in Advanced Placement English 12.

**ADVANCED MUSIC 11**

Students wishing to take this course must initially sign up for one or the following: Music 11, Music Vocals 11 or Instrumental Music 11, depending on where their interests lie. Students wishing to take Advanced Music 11 must apply through the preparation of a portfolio and an interview process. Students must have above average achievement in grade 10 music or equivalent. Required course components are as follows:

- Performance of a body of work or the presentation of a composition
- Leadership in large ensemble music making
- Ear training and sight reading
- Completion of a level 2 theory and music writing using available software
- Global music study independent research project
- Two or three individual student interest modules such as conducting, instrument repair, stage management, etc.

The Advanced Music 11 student must be motivated and able to work independently. This course fulfills the Fine Arts requirements for high school graduation.

**ADVANCED PHYSICS 11**

Prerequisite: Successful completion of both Math 10 & Science 10. A minimum final mark of 75 in both subjects is recommended.

This is an introductory course in physics for highly motivated students with a particular interest in science and proven ability in mathematics. Advanced Physics 11 will cover the same core topics as Physics 11, but with a greater depth and as a result, problem solving will require a higher degree of mathematical expertise.

As a university preparatory course, this first year Physics course is a continuation from the topic (motion) which was introduced in Science 10. Additional topics include forces, momentum and energy, and waves. This course is designed for students who wish to study Physics at an advanced level and who have demonstrated an exceptional degree of academic ability or achievement. Students considering careers in Physics, Engineering or Technology should find this course a good preparation.

The evaluation for this course includes tests, assignments, quizzes, independent studies, lab activities (hands-on and virtual) and a final exam (30 % of final mark).

**AFRICAN CANADIAN STUDIES 11**

African Canadian Studies 11 promotes understanding of African Canadian people and their history, heritage, culture, traditions and contributions to society, recognizing their origins as Africans.

African Canadian Studies contributes to the improvement of race relations and cross-cultural understanding in our community and society at large. Evaluation will be based on assignments, an exam, tests, and projects. There is a final exam for this course.

This course fulfills the Canadian History requirement for high school graduation.

**ART DRAMATIQUES 10**

This course will be offered to students in the French Immersion program. The course content is the same course as the Drama 11 course. (Please see Drama 10 course description).

**AUDIO RECORDING/ PRODUCTION 12**

This academic course provides students with a creative program that will fulfill their interests in music, technology and popular culture. Through “hands on” application and classroom theory, ARP 12 students will develop the skills necessary to create a variety of tape and digital recordings and do live sound production work. In order to fulfill requirements for this course, students must complete a minimum of 6 hours of sound tech work outside of class.

Students interested in this course should have a background in technology and a strong interest in music. Proficiency on an instrument is beneficial but not required. This course will help prepare students for careers in music, film and video, live/location sound production and digital media, as well as many other currently developing tech careers. Evaluation consists of short quizzes, group projects and individual effort on live production work. There is no final exam in this course.

This course fulfills the Technology requirement for high school graduation.

**BIOLOGY 11**

This academic course examines the form, function and diversity of major groups of organisms. Emphasis is placed upon understanding how living things work and their relationship to each other. Topics include: The Cell and Homeostasis, Taxonomy, Bacteria and Viruses, The Immune, Digestive and Circulatory systems, Fungi and Protists, Invertebrates and Vertebrates.

This course is designed to provide a strong foundation for students planning to take Biology 12 and for those pursuing further post-secondary studies in the science-related areas. Students are expected to do corresponding readings from the textbook and take notes daily as there is a considerable amount of new content and vocabulary to learn. There is a lab component with lab quizzes, weekly assignments, monthly major tests and a final exam.
BIOLOGIE 11
This course will be offered to students in the French Immersion program. The course content is the same course as the Biology 11 course. (Please see course description above).

BIOLOGIE 12
This course will be offered to students in the French Immersion program. The course content is the same course as the Biology 12 course. (Please see course description for Biology 12).

BUSINESS TECHNOLOGY 11
In this course students begin by learning to type properly using the touch keyboarding method. They will learn to prepare various documents, including personal and business letters, academic reports, and resumes. They will create spreadsheets to manage data. Students will use desktop publishing to design and produce a variety of documents, including cards, invitations, certificates, and newsletters. They will become confident and purposeful users of the computer.

Students will be evaluated on their typing technique, daily work in the computer lab, as well as tests and exams. Students will achieve a typing speed of 40 words per minute.

This course fulfills the Technology requirement for graduation.

CANADIAN HISTORY 11
Canadian History explores our past from the beginning up until today. Studying Canadian History allows us to see how we have developed into a unique country by examining our history, relationships, society and government. Canadian History 11 will examine the history through many different cultural groups such as the First Nations people, the African Canadians, Acadians and other diverse groups and learn about how each group impacted the development of our country. There is a final exam for this course.

This course fulfills the Canadian History requirement for high school graduation.

CHEMISTRY 11
Prerequisite: Successful completion of Science 10. A minimum final mark of 65 is recommended.

This course studies and investigates the structure and properties of matter. Students will need to develop and use problem solving skills in a variety of applications. A solid understanding of math concepts is essential. This course examines structure and properties, stoichiometry (balancing an equation and applying it to measured amounts of reactants and products), and organic chemistry. Concepts will be studied in both individual and group settings, in the classroom and laboratory.

There is a final exam for this course. For even greater depth, students should consider enrolling in the Advanced Chemistry course.

CHILD STUDIES 11
Child Studies 11 is designed to provide students with a background on parenthood and childhood development. Topics covered in the course include Decisions about Parenthood, The Beginning of Parenthood, Early Childhood Development, Special Concerns in Child Development and Practical Experiences with Children. This course has no final exam.

COMMUNICATIONS TECHNOLOGY 11
This course offers students the chance to experience a wide variety of hands-on technology, including digital photography, technical design (3D dimensional objects), graphic design (Logo screen printing design), video production (short video clips), and animation (stop-time or digital).

Students will become familiar with several computer-assisted programs (Google Sketch-Up, Studio 8), as well as practical tools for graphic design (Microsoft Publisher). This course involves several student-directed projects and assignments which require the ability to work well in groups, basic math skills, problem solving skills and knowledge of the design process. Students will complete a major project in place of a final exam.

This course fulfills the Technology requirement for graduation.

CO-OPERATIVE EDUCATION 11
Co-operative education is a term used to describe a program that provides an educationally beneficial experience for students. Co-op programs are a three way educational partnership amongst the employer, the school and the student.

The Co-operative education program will provide students with an opportunity for career exploration and occupational decision making, which will assist in the transition from high school to either post-secondary training or direct entry into the workforce. The first 25 hours of the course is comprised of classroom instruction and the final 100 hours are spent in the work place. Students are given the choice of selecting their place of employment, and with the teacher’s assistance, the placement is arranged.

The students must complete weekly journals, as well as workplace attendance sheets. There is a lot of flexibility for students in completing the 100 hours of on-the-job training. Generally, the student can complete co-op hours when it best fits their schedule, provided there is agreement with the employer and the teacher.

The students are expected to come to class once in an 8 day cycle during which time their work journals are presented in class. Evaluation consists of employer assessment, in class assignments, journals, and a final presentation. The student who wishes to take Co-op 11 must be organized and committed to all their school courses.

Acceptance into the course requires applying and being interviewed for a seat.

CORE FRENCH 11
Prerequisite: Successful completion of Core French 10

French is the language of instruction and communication in the classroom. Core French 11 allows students to participate actively and to communicate in situations which are relevant and real to them. Students are exposed to oral and written texts on themes such as pop culture, urban folklore, travel, and forces of nature. Students work individually and in small groups throughout the course.

Students will be evaluated on their oral and written competency as they complete class activities, projects, and tests. Students will be required to complete a final examination in this course.

DANCE 11
Dance 11 is designed for all students with or without formal dance training. It emphasizes creativity, movement, composition and
presentation/performance. The course explores a range of dance styles with specific work on focused genres.

The final assessment will be participation in a dance performance.

This course fulfills a Fine Arts or a Physical Education requirement for high school graduation.

DANCE 12
This course is designed for students to build on their previous dance education. Dance 12 will provide students with increased opportunities for specialization in technique, choreography and performance. Student will increase their knowledge and develop skills in all aspects of dance preparation, stagecraft and production.

Students will create/choreograph/perform a minimum of four dances studies, ie. A solo, a duet, a trio and a study involving a group of dancers. The same dance type must not be used for all studies. Students will research dance historically, interpret others’ choreography using notation and use digital cameras/hyper studio to create individual portfolios.

DESIGN 11
Design 11 is a course that examines advertising, environmental issues of design (wind power), architectural design (floor plans, house plans and products), sketching designs and graphic art. Students will become familiar with several computer assisted drafting programs (Google Sketch-Up, Auto-CAD), as well as practical tools for graphic design (Microsoft Publisher).

This course involves several student-directed projects and assignments which require basic math skills, problem solving skills and knowledge of the design process.

For this course students should be interested in designing/redesigning products, have creativity, and the ability to visualize a final product. Students are required to complete a major project in place of a final exam.

This course fulfills the Technology requirement for graduation.

DRAMA 11
Drama 11 concentrates on script building but continues to build on skill development in presenting dramatic performances. Students will both individually, and in groups, develop several short to medium-length works built from simple improvisations as well as a variety of other media. From these they will work towards writing scripts and eventually perform, from their collective works, selected pieces at a public presentation at the end of the course.

This course fulfills the Fine Arts requirement for high school graduation.

ECONOMICS 11
The first question you must have is: What is Economics? You are not alone. Most people who select this course have asked themselves the same question. The simple answer is: Economics is the study of how people make decisions about scarce resources. This may sound boring, but the study of economics is much more entertaining than you would think. In this class, we learn about why buyers and sellers act like they do, how the government directly affects your life, and why we pick the jobs we do.

The academic course utilizes a mix of lecture and discussion but also uses lengthy activities to illustrate economic concepts. Students who have been successful in this course in the past were interested in participating in activities and discussions.

Many students who have gone on to take business in community college or university have found this course useful. There is a final exam in this course.

ENGLISH 11
Pre-requisite: Successful completion of English 10. English 11 is a pre-requisite for English 12.

English 11 continues to build and expand on the fundamentals of English 10. It allows students to further develop their reading, writing, speaking, listening and viewing skills.

The course content includes the study of short stories, novels, poetry, and drama. Skill development in language, creative writing, technology and critical thinking will also be an essential element of the course.

Students will be expected to work independently, think critically and accept the challenges of an academic course. There will be various methods of assessment which include, but are not limited to, quizzes, tests, assignments, projects, essays, presentations and a final exam.

ENGLISH COMMUNICATIONS 11
Pre-requisite: Successful completion of English 10.

English/Communications 11 is designed to meet the individual needs, interests and abilities of students who are not planning to pursue a university education. It will focus on the communication skills needed for success in community colleges, apprenticeship programs and the world of work.

Students can expect that the same units of study will be covered in this course as in the English 11 course, but with more opportunity to improve communication skills through reading, writing, and interpreting media. There is a final exam in this course.

ENTREPRENEURSHIP 12
This course is a hands-on business course where students learn the skills needed to start up and run their own business. Some topics that will be covered include marketing, market research, logistics, cost analysis and more.

In this class you will also learn to apply your creativity skills by thinking of creative marketing as well as creative services, products and events. While there is no final exam in this course, the ventures require work outside of regular scheduled class times.

Students who have a strong work ethic are typically successful in this course. Students will also develop their communication and teamwork skills. Individuals should have an interest in working in groups and with the public if they are going to enroll in Entrepreneurship 12.

EXERCISE SCIENCE 12
This course is designed for students who may have an interest in personal fitness and training, in understanding how the body works from a physical perspective, or in a career related to physiotherapy, massage therapy, teaching, paramedic, personal trainer, athletic therapy or nutrition. It would also be useful for any student considering enrolling in a Human Kinetics or Kinesiology program at the post-secondary level.

The majority of the course hours (75%) are held in the classroom while the remaining hours (25%) are held in the gym. During the gym
component, students do fitness testing, lead the class in some type of fitness activity, and prepare for their field trip to a local elementary or junior high school.

Topics covered in this course include anatomy, energy systems, training methods and principles, nutrition, physiology and other health-related topics. Evaluation for this course will be comprised of fitness labs, tests, assignments, and field trips to teach at the Junior High or Elementary school. There is also a final exam in this course.

The course fulfills the Physical Education requirement for high school graduation.

**FILM AND VIDEO PRODUCTION 12**

This technology course offers students the opportunity to work independently as well as part of a production team, to explore the role of the film industry and develop critical awareness of historical and cultural aspects of film. Students will work through the process of producing a film or video from script development, to lighting, sound, camera angles, story-boarding, and finally editing the final product.

To be successful in this course, you must be able to work well in groups and have good team skills. As part of the production team in this course, attendance is essential.

This course fulfills the Technology requirement for high school graduation.

**FITNESS LEADERSHIP 11**

This course is intended for those students who have already attained their Physical Education Credit and who want to further pursue more advanced knowledge and understanding in the fields of physical activity, fitness and leadership.

Fitness Leadership 11 will consist of 4 classroom sessions as well as 6 activity sessions in the gym per cycle. Classroom sessions will include anatomy and physiology, principals of conditioning, leadership, injury prevention and risk, management and components of a fitness class. Activity sessions will have a major emphasis on fitness and every week there will be a distance run class.

This class is designed for those who have a keen interest and high motivation to actively demonstrate being a leader in the field of physical fitness. There is no final exam in this course.

This course fulfills the Physical Education requirement for high school graduation.

**FRANCAIS-IMMERSION 11**

In the grade 11 French Immersion course, students continue to listen and respond to a variety of texts and to communicate orally information on various topics. Reading and literature include novels, articles, biographies, poems, short stories, reports, and research papers. This course is conducted entirely in French. This course is conducted entirely in French, therefore students are expected to speak French at all times during class.

This course fulfills the French Immersion requirement for high school graduation.

**GEOGRAPHY 11**

This course covers contemporary Canadian Geography with its regional and cultural diversities, and includes a systematic examination of such general characteristics as Canada’s vast area, its northern character, its climate, and its economic development. In the first half of the course, Canada is studied both in the context of its continental North American setting and through its component regions and sub-regions. The second half provides a thematic treatment of such topics as pollution, urbanization, resource development, changing technology, and rural life. There is a final exam in this course.

**GEOLOGY 12**

This course is an in depth study into the lithosphere (Earth’s Crust) which will look at rock types, the rock cycle, volcanoes, earth quakes, land forms, glaciers, and geological time. Students will be responsible for modern connections to geology, Canadian content, and regular article readings. There will be several labs which look at core samples, earthquakes, and climatic data. There is a final exam in this course.

This course fulfills the second Science requirement for graduation.

**HISTORY 11**

This course covers the major developments in technology, political systems, rights and knowledge from the Middle Ages through to modern times. Its focus is on European events and trends, absolutism, revolution, ideology, rights, conquests, and growth of empires. The French Revolution, Napoleonic era, Industrial Revolution, communism and the world wars are major topic.

This course DOES NOT fulfill the Canadian History requirement for high school graduation.

**HUMAN BIOLOGY 11**

Human Biology 11 is a science course intended for students who are not emphasizing science during post secondary studies. Throughout this course, students are introduced to the biology of the human body, to understand its systems and how they are inter-related. They also examine socially pertinent health issues related to the systems and learn the importance of making healthy and responsible life choices. There is no final exam in this course.

This course fulfills the second Science requirement for high school graduation.

**INTEGRATED ARTS 11**

Integrated Arts 11 is a visual art course which offers students a unique opportunity to explore and understand the relationship between the arts and Mi’kmag culture. Its purpose is for all students to gain improved understanding and appreciation for the cultural contributions of Mi’kmag people in Nova Scotia. Topics explored will include (but not limited to) storytelling, Mi’kmag art and artists, talking circles, dance, Mi’kmag world view (past and present) and spirituality.

**LAW 12**

This course surveys the Canadian legal system. Students engage in an exploration of both criminal and civil law. The Canadian and American systems are contrasted. The roles of the prosecutor, defense, judge and jury are examined. Various crimes and defenses are detailed. The legal process is outlined from arrest to verdict. Later, students shift their focus to civil law: litigation, contracts, consumer law, marriage/family law, and finally, wills.

Evaluation consists of classwork, assignments, projects, presentations and a final exam.
MATHEMATICS 11
Prerequisite: Successful completion of Mathematics 10.

Mathematics 11 is an academic high school mathematics course. Students who select Mathematics 11 should have a solid understanding of the Mathematics 10 curriculum. A minimum final mark of 65 in Mathematics 10 is recommended.

There are two typical pathways for students who successfully complete Mathematics 11:

For those students intending to follow the academic pathway, Mathematics 11 will be followed by Mathematics 12. (Mathematics 11 and Mathematics 12 are designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require an academic or Pre-calculus mathematics credit).

For those students intending to follow the advanced pathway, Mathematics 11 will be followed by Pre-calculus 11, and then Pre-calculus 12. Alternatively, students who successfully complete Mathematics 11 may choose to select a graduation level course in grade 12.

Students in Mathematics 11 will explore the following topics: 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.

MATHEMATICS AT WORK 11
Prerequisite: Successful completion of Mathematics at Work 10 or Mathematics 10.

Mathematics at Work 11 demonstrates the application and importance of key mathematical skills.

The typical pathway for students who successfully complete Mathematics at Work 11 is Mathematics at Work 12. (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.)

Some students who successfully complete Mathematics at Work 11 may choose to take Mathematics for the Workplace 12.

Students in Mathematics at Work 11 will explore the following topics: 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.

MATHEMATICS ESSENTIALS 11
Prerequisite: Successful completion of Mathematics Essentials 10 or Mathematics at Work 10.

Mathematics Essentials 11 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 prerequisites. 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. The typical pathway for students who successfully complete Mathematics Essentials 11 is Mathematics at Work 12.

Students in Mathematics Essentials 11 will explore the following topics: 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.

MI’KMAW STUDIES 11
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 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. There is a final exam for this course.

This course fulfills the Canadian History requirement for high school graduation.

MULTIMEDIA 12
Multimedia 12 provides students with an opportunity to work with collecting and recording electronic or digital images and sound. With these collected media, students will create and manipulate these sounds and images into multi-media projects that will reflect ideas and norms of 21st century society.

Students in this course will develop an understanding of the many different forms of expression available and use them to reflect their own experiences, ideas and opinions. A sense of artistic creativity as well as a basic understanding of computer technology would be an asset to students in this course.

At the completion of this course, students will have a basic portfolio of their work that can be used when applying for post-secondary programs.

The study of multimedia can lead to a broad range of occupations within the arts and communication disciplines and can also be applied across a broad range of other disciplines and occupations. Occupations include Animator, Communications designer, Graphic artist, Interface designer, Sound producer, Recording technologist, Software developer, Video editor and Website designer.

This course fulfills the Technology requirement for high school graduation.

MUSIC 11
Music 11 is a continuation of Music 10. It is not necessary that you play an instrument for this course, but it is an asset. It includes a timeline study of the various eras of music, but also concentrates on current music trends. Students will keep a weekly listening log and will learn to analyze for style, form, and theoretical composition. There will be group compositions based on a variety of criteria. Students will use computer technology for some of their writing and for recording compositions. There is a musicianship component that includes ear training and learning to sight read. Students will perform for each other in their composition groups. There will be a module on keyboards for those that don’t play the piano. The focus of this course is to connect music study with the music in our lives and what’s happening globally.
Students applying for Advanced Music 11 will prepare a portfolio citing their theory background, performance and/or composition history, and their reason for wanting this course. After an interview process, those accepted into the program will get an individual course outline that will be sent home with them.

This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.

MUSIC INSTRUMENTAL BAND 11
Music Instrumental Band 11 is a continuation of Instrumental Music 10. Students interested in this course should have a minimum of 3 years experience playing a band instrument, be proficient in reading music and have a playing knowledge of all major scales.

This performance based course will focus on individual instrument technique, ear training, theory and music history. Through the study of traditional band literature, students will explore various styles, composers, arranging techniques and historical content. Jazz improvisation will be introduced in grade 11 as well as minor scales and modes of the major scales.

Evaluation in this course will be based on individual/group performance testing, ear training, composition/arranging, ensemble work and short quizzes. There is no final exam in this course.

This course fulfills the Fine Arts requirements for High school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.

MUSIC VOCALS 11
Vocal 11 teaches through choral singing. There will be a continuation of theory, history and ear training from the grade 10 level taught through the thorough study of choral preparation and performance. There will be an emphasis on vocal technique and singing musically within a choir. There will be a large variety of styles and musical eras covered.

There will be one rehearsal a week outside of regular class time that will include choir members from outside of the class. There will be class performances of small ensembles in the form of chamber concerts.

This course fulfills the Fine Arts requirements for High school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.

MUSICAL THEATRE 12
Students will study the history of musical theatre, acting, dance and singing. The class will prepare a number of “production numbers” from various musicals.

All students are expected to be on the production team of the school’s annual musical. Problems specific to production of musical theatre will be discussed and resolved. Some of the course content will take place outside of the regular school hours. This course DOES NOT fulfill the fine arts requirements for high school graduation.

OCEANS 11
This course provides an integrated approach to science, using the ocean as its theme and source of practical examples. It is designed as an introductory course in oceans in which aspects of geology, physics, chemistry, and biology are studied. Application of oceanography to chosen topics of current interest are included - the fishery, aquaculture, off-shore oil exploration, and tidal power. There will be a final exam in this course.

This course fulfills the second Science requirement for high school graduation.

PHYSICAL EDUCATION 11
The Teaching Games for Understanding (TG FU) model serves as the basis for the grade 11 physical education curriculum. This module, along with the Life Skills through Sport module, makes up 90 percent of the entire curriculum. Throughout this course, modified sport games will be taught within four categories (invasion/territory, target, net/wall, and striking/fielding). The emphasis throughout this course is on the tactical and strategic game play whereby students make appropriate decisions in modified sport settings. Personal fitness and classroom sessions are maintained each week. There is no final exam in this course.

This course fulfills the Physical Education requirement for high school graduation.

PHYSICAL EDUCATION: MARTIAL ARTS 11
This course is designed for students to receive daily instruction in Karate and experience other aspects of martial arts and Asian culture. Students are required to complete an in-depth theory component that will cover the history of Karate and its introduction to Canada. The karate-ka (student of karate) will learn fundamental karate techniques (kihon), forms (kata), basic sparing (kumite) and language. Developing self-defence will also be a regular component of training and students will be expected to wear a gi (uniform).

Through regular training, the ultimate aim of Martial Arts 11 is for students to commence a journey towards self-improvement. The training component will run in a traditional dojo manner with the possibility to train for a higher belt rank. Experience is not necessary but a minimum level of fitness is useful.

This course fulfills the Physical Education requirement for high school graduation.

PHYSICAL EDUCATION LEADERSHIP 12
This course will develop leadership skills through experience in the context of outdoor and environmental education. Students will engage in a wide variety of outdoor experiences, including hiking, mountain biking, camping, rock climbing and canoeing, to develop personal skills in the pursuit of active and healthy lifestyles. Students will also receive Field Leader Certification through the Outdoor Council of Canada, a nationally recognized certification in Outdoor Leadership.

There will be a study of the history of outdoor leadership and some of the great leaders past and present. Students will have the opportunity to develop personal leadership skills in each of the outdoor pursuits modules. This course will require students to engage in regular physical activity both in the school and the outdoors.

The course fulfills the Physical Education requirement for high school graduation.

PHYSICALLY ACTIVE LIVING 11
This 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 engage-
ment 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. Weekly fitness assessments are important parts of the program. The theory component of the course will enhance student understanding of community recreation opportunities, personal fitness, and healthy living. There is no final exam in this course.

**This course fulfills the Physical Education requirement for high school graduation.**

**PHYSICS 11**

**Prerequisite:** Successful completion of both Math 10 & Science 10. A minimum final mark of 65 in both subjects is recommended.

This course is intended for those students that may wish to pursue post-secondary studies in science, computing and engineering. As a university preparatory course, this first year Physics course is a continuation from the topic (motion) which was 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. To be successful in this course, students must have a strong mathematical background and good work habits.

The evaluation for this course includes tests, assignments, quizzes, lab activities (hands-on and virtual) and a final exam (30 % of final mark).

**PRE-CALCULUS 11**

**Prerequisite:** Successful completion of Mathematics 11. A minimum final mark of 75 in Mathematics 11 is recommended.

Pre-calculus 11 is an advanced high school mathematics course. Students who select Pre-calculus 11 should have a solid understanding of the Mathematics 11 curriculum. A minimum final mark of 75 in Mathematics 11 is recommended.

The typical pathway for students who successfully complete Pre-calculus 11 is Pre-calculus 12. (Courses in the Pre-calculus pathway are 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.)

Some students who successfully complete Pre-calculus 11 may choose to take Mathematics 12.

Alternatively, students who successfully complete Pre-calculus 11 may choose to select a graduation credit in grade 12.

Students in Pre-calculus 11 will explore the following topics: 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.

**PRODUCTION TECHNOLOGY 11**

This course involves the study of the processes and systems used to produce our industrial and consumer products, how production systems originated and how they influence people and societies. Projects include model making, designing a product using AutoCAD computer software, custom printing T-shirts and manufacturing products made of wood using hand and power tools.

This course is open to all students and assessment is mainly based on projects, written assignments, product designs and several small tests. There is no final exam in this course.

**This course fulfills the Technology requirement for high school graduation.**

**PSYCHOLOGY 12**

This course examines human behavior, thoughts and feelings. It is ideal for students interested in understanding them selves and others better. Psychology 12 mirrors the content of a first year college or university course.

Topics covered in Psychology 12 include research techniques, states of consciousness, statistics, learning, neuroscience, mental disorders & treatments, developmental, and social-cultural issues. Students are expected to learn a significant amount of psychological terminology.

The course evaluation is based on seven (7) unit tests, various assignments, individual and group presentations, research skills, critical thinking exercises, and a final exam.

**SOCIOLGY 12**

Sociology 12 is designed to introduce students to the scientific study of human society and interaction. The course is built around five units that provide a basic overview of the field of study:

- Unit 1 - Sociology: A Social Science
- Unit 2 - Culture: A Shared Human Experience
- Unit 3 - Socialization: The Shaping of Human Behavior
- Unit 4 - Social Organization: Living Together as Humans
- Unit 5 - Social Control: Deviant and Conformist Behavior

The central focus is on providing students with a deeper understanding of the social groups and the society in which humans live, with a particular focus on a Canadian context. The course provides students with an enhanced understanding of human behavior - their own and the others with whom they interact on a daily basis. While psychology is a social science that studies the individual, sociology is the social science that studies people as they interact with others. This course would be beneficial for students who are interested in pursuing post secondary studies in human services, education, correctional/police services, etc. Evaluation in this course is based on assignments, tests, quizzes, projects and a final exam.

**VISUAL ARTS 11**

Visual Art 11 continues with drawing, design, and history, with an emphasis on Canadian art. At this level the student is introduced to painting and new media such as watercolor pencils and inks.

There are higher expectations for the grade eleven students and they should be prepared to be challenged. Self motivation and independence is a definite asset.

**This course fulfills the Fine Arts requirement for high school graduation.**

**YOGA 11**

Yoga 11 will introduce students to the tradition of Yoga with its various forms and styles. The intention is that students will develop a lifelong personal practice of yoga to maintain vibrant health, develop...
healthy relationships with self and others while enjoying it as a regular form of recreation.

Students will be participating in various activities that will include physical practice, personal reflection, group discussion and classroom theory.

The physical aspect of yoga will include the acquisition and development of skills including strength, flexibility, cardiovascular endurance, balance, regulation of energy through breathing and mental focus. All of these skills are of great benefit to overall health and to other physical pursuits.

Classroom sessions will address topics such as: meditation, the essentials of good nutrition, ethical yogic principles like kindness and generosity and discussion on becoming positive contributing members of society.

This course fulfills the Physical Education requirement for high school graduation.

Courses for Grade 12 Students

All students are required to select a minimum of six (6) courses.

Please Note: All subjects count as 1 credit unless otherwise indicated below.

<table>
<thead>
<tr>
<th>Languages</th>
<th>Advanced Placement English Literature &amp; Composition 12 (AP)</th>
<th>English 12 (A)</th>
<th>English 12 African Heritage (A)</th>
<th>English Communications 12 (G)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>Advanced Music 12 (ADV)</th>
<th>Advanced Placement Chemistry 12 (AP)</th>
<th>Advanced Placement World History 12 (AP)</th>
<th>Audio Recording/Production 12 (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Global</th>
<th>Advanced Global Geography (ADV)</th>
<th>Global Geography 12 (A)</th>
<th>Global History 12 (A)</th>
<th>Global Politics (A)</th>
<th>Geographie Planetaire (A) IMM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose a</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Minimum of 1</th>
<th>Automotive (O) (2 credits)</th>
<th>Building Systems (O) (2 credits)</th>
<th>Food Service (O) (2 credits)</th>
<th>Human Health Services (O) (2 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>Dance 12 (A)</th>
<th>Drama 12: Theatre Arts (A)</th>
<th>Economics 12 (A)</th>
<th>Entrepreneurship 12 (A)</th>
<th>Exercise Science 12 (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

|-----------|-----------------------------|-----------------------------|---------------------------|----------------|-----------------------------|---------|----------------|------------------|---------------------|-----------------------------|------------------|-------------------|------------------|---------------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|

ADVANCED GLOBAL GEOGRAPHY 12

Advanced Global Geography 12 is a course intended for students with a keen interest in Geography or who are considering a career in a related field. Advanced students will complete an additional unit beyond the compulsory units listed above: Culture and Politics, and will complete related research, analysis and other community based project work as part of the advanced credit. The course evaluation is based on homework exercises, assignments, mapping, quizzes, tests, a term paper, one major group project per term, an independent study project, and a student-led community-based project. Geography 10 is not necessary for success in Advanced Global Geography 12 but does provide some important background knowledge.

This course fulfills the Global requirement for high school graduation.

ADVANCED MUSIC 12

The student would register for Vocal Music 12, Instrumental Music 12 or Music 12, depending where their main interests lie. Students then apply for Advanced Music 12 through the preparation and presentation of a portfolio as well as an interview process.

The course is intended for students planning to enter further studies in music or to pursue a professional music related career. The following are the course requirements:

- Advanced Musicianship (Grade 8 Level or Higher)
- Formal presentation of a composition portfolio or a formal individual performance
- Leadership in large ensemble
- Continuation of Global Studies
• Music industry component
• One main student interest module, related to their intended line of study

This course requires a highly motivated and independent student.

ADVANCED PLACEMENT CHEMISTRY 12
Prerequisite: Successful completion of Advanced Chemistry 11. A minimum final mark of 75 in Advanced Chemistry 11 is recommended.

This is an advanced course in Chemistry recognized through the AP program. This is a University level course which takes the place of an entry level survey chemistry course. Students will look at four major topics: Properties of Matter, States of Matter, Reactions, and Descriptive Chemistry.

Students will take an in-depth look at molecular bonds and their electron properties. This includes VSEPR as well as hybridization. Reactions will include equilibria, kinetics, thermodynamics, and Oxidation-Reduction types. Students will be expected to apply theory to applications both in class, scientific articles, and laboratory exercises. 10% of the course will require in lab exercises.

Students will write two exams for this course; the world-wide AP exam in May and a final exam in June.

ADVANCED PLACEMENT English Literature and Composition 12
Pre-requisite: Successful completion of English 11 or Advanced English 11. A minimum final mark of 80 in English 11 or Advanced English 11 is recommended.

Advanced Placement (AP) English Literature and Composition is a course in the study of literature and composition for seniors. It is designed to enable high school students to experience the rigors of a university course. AP English: Literature and Composition materials will provide students with broad and deep exposure to intensive literary analysis, explication of texts, close reading techniques, practice in composition, and an expanded vocabulary.

The university-level reading list will include a selection from various literary genres and literary periods. Readings outside of class are expected of students as part of the course, and concurrent reading texts are integrated into the course curriculum. Students will be required to write the world-wide AP exam in May and the provincial English exam in June.

ADVANCED PLACEMENT WORLD HISTORY 12
The Advanced Placement World History course is designed for highly motivated college-bound students who have demonstrated academic achievement, higher order thinking skills, and the ability to work independently. The course covers all periods of world history with emphasis on political, economic, cultural, and social history from the time of - the first civilization - through the modern era. Students will read and write extensively and develop individual and group projects throughout the course. The AP World History course is an academic, yearlong course with an emphasis on non-Western history.

The course relies heavily on college-level texts, primary sources, and outside readings. Students will be required to participate in class discussions, as well as in-group and individual projects. A special emphasis will be given to historical writing through essay and document-based questions. In addition, objective exams, simulations, and integrated computer technology assignments will be incorporated into the curriculum. Ancient History 10 and History 11 would be a benefit for students for a broader comprehension of the important background material.

This course meets the Global graduation requirement.

AUDIO RECORDING/ PRODUCTION 12
This academic course provides students with a creative program that will fulfill their interests in music, technology and popular culture. Through "hands on" application and classroom theory, ARP 12 students will develop the skills necessary to create a variety of tape and digital recordings and do live sound production work. In order to fulfill requirements for this course, students must complete a minimum of 6 hours of sound tech work outside of class.

Students interested in this course should have a background in technology and a strong interest in music. Proficiency on an instrument is beneficial but not required. This course will help prepare students for careers in music, film and video, live/location sound production and digital media, as well as many other currently developing tech careers. Evaluation consists of short quizzes, group projects and individual effort on live production work. There is no final exam in this course.

This course fulfills the Technology requirement for high school graduation.

AUTO MAINTENANCE 12
This hands-on course looks at how to maintain and repair motor vehicles. In this course students will learn about automotive systems, such as brakes and tire service. Students will participate in performing basic repairs, welding and soldering techniques, and carry out on-going preventive maintenance for many different kinds of vehicles and engines.

Students are expected to work safely, wear their own work boots (CSA safety approved) for all classes, and are expected to use lots of different hand and power tools, such as air tools, jacks and hoists, tire changer/balancer, welding equipment, and specialty tools. No prior experience is required for this course. Students should be able to work individually and in small groups and attend regularly.

This course is ideal for those interested in a career as an automobile mechanic, heavy equipment repair technician, small engine service tech, or any other mechanical trade.

BIOLOGY 12
Successful completion of Biology 11 with a final mark of 65 is recommended.

Biology 12 provides an in depth look at life with an emphasis on human life. The course is an academic credit that can be very helpful for those students planning on taking sciences, nutrition, kinesiology or psychology at university. This course also has a high degree of interest for those high school students who do not plan on taking sciences at university because of the personal information one can learn about the human body and health.

All topics are centered on the human body and include: genetics (currently the biggest and most important field of research today); the nervous system (including the workings of the brain); the endocrine system (the many types of hormones and their effects); evolu-
tion (the scientific view on how life originated and came to be today); the immune system (very relevant given the fear of H1N1) and a brief overview of biochemistry. Evaluation for the course consists of tests, lab reports, assignments/papers, and a final exam.

**BIOLOGIE 12**

This course will be offered to students in the French Immersion program. The course content is the same course as the Biology 12 course. (Please see course description for Biology 12)

**CALCULUS 12**

Prerequisite: Successful completion of Pre-calculus 12. Calculus 12 is an advanced high school mathematics course. A minimum final mark of 75 in Pre-calculus 12 is recommended.

This course includes the following topics: the concept of a limit, simple derivatives, properties of derivatives, derivatives of trigonometric, exponential and logarithmic functions, applications of derivatives - tangents, rates of change optimization, motion, curve sketching, anti-derivatives, differential equations and applications of anti-derivatives.

**CANADIAN LITERATURE 12**

This course will be of interest to students who would like to explore First Nation literature and culture in Canada. Students will be given the opportunity to study the literary and artistic expressions of the First Nation people in Canada, especially the Mi'kmaq people. This course will use guest speakers, poetry, literature, music, film and media to examine how story-telling is used to form identity, connect people and build understanding. This course will follow the four modules of Canadian Literature 12 with an interwoven theme of the Reconciliation process in Canada. This is an elective course within the discipline of English Language Arts and is open to grade 11 students.

**CHEMISTRY 12**

Prerequisite: Successful completion of Chemistry 11 or Advanced Chemistry 11. These courses are to be taken consecutively, not concurrently, and the order may not be reversed. A minimum final mark of 65 in Chemistry 11 is recommended.

Chemistry 12 is recommended for students interested in Sciences and particularly those going on to university science programs or related programs where Chemistry is required. Students will benefit from a strong background in Chemistry 11. Topics include thermochemistry (energy changes in chemical reactions), electrochemistry (change, current, batteries, REDOX reactions), and acids/bases and equilibrium (pH scale, acid/base reactions, chemical equilibrium).

**COMMUNICATIONS TECHNOLOGY 12**

This course focuses on communications through a variety of technologies. Students will be given the opportunity to study and develop skills in: digital photography, graphic design, leadership, and online publishing. Students will be using these skills to design, create, and develop the school yearbook.

Students involved in this course will be required to take an active role in the 2019-2020 yearbook for NNEC. Roles for the 2019-2020 yearbook will include: coordinators, photographers, graphic designers, sales, and advertising. This course will also allow students to develop a digital portfolio of their work for future use in school and career applications.

**CO-OPERATIVE EDUCATION 12**

Co-operative education is a term used to describe a program that provides an educationally beneficial experience for students. Co-op programs are a three way educational partnership amongst the employer, the school and the student.

The Co-operative education program will provide students with an opportunity for career exploration and occupational decision making, which will assist in the transition from high school to either post-secondary training or direct entry into the work force. The first 25 hours of the course is comprised of classroom instruction and the final 100 hours are spent in the work place. Students are given the choice of selecting their place of employment, and with the teacher’s assistance, the placement is arranged.

The students must complete weekly journals, as well as workplace attendance sheets. There is a lot of flexibility for students in completing the 100 hours of on-the-job training. Generally, the student can complete co-op hours when it best fits their schedule, provided there is agreement with the employer and the teacher.

The students are expected to come to class once in an 8 day cycle during which time their work journals are presented in class. Evaluation consists of employer assessment, in class assignments, journals, and a final presentation.

The student who selects Co-op 12 must be organized and committed to all their school courses. Grade 12 Co-op students who completed the safety component of the course in grade 11 do not have to repeat the full 25 in class hours at the beginning of the course.

**CORE FRENCH 12**

The language of instruction is entirely French. Core French 12 is for students who wish to continue to develop fluency in French. Students taking this course must have completed Core French 11. Language skills are reinforced, focusing on the ability to communicate orally and in writing. The cultural richness of our country and the world is presented in thematic units. Units include: The Arts, Health & Fitness, Adolescence, Travel, and Our Future.

Students work individually and in small groups to complete projects. Evaluation is comprised of tests, journaling, class work, projects and exams.

**DANCE 12**

This course is designed for students to build on their previous dance education. Dance 12 will provide students with increased opportunities for specialization in technique, choreography and performance. Student will increase their knowledge and develop skills in all aspects of dance preparation, stagecraft and production.

Students will create/choreograph/perform a minimum of four dances studies, ie. A solo, a duet, a trio and a study involving a group of dancers. The same dance type must not be used for all studies. Students will research dance historically, interpret others’ choreography using notation and use digital cameras/hyper studio to create individual portfolios.

**DRAMA 12: THEATRE ARTS**

This class will be formed into a theatre company. Studying all aspects of play production, the group will prepare a number of short plays and one major play. These will be from both original and pre-
written scripts and will be performed publicly. Each student will be expected to write one play for the class to perform.

This course fulfills the Fine Arts requirements for high school completion.

**ECONOMICS 12**

Successful completion of Economics 11 is recommended.

Economics 12 builds on the foundation laid in Economics 11. This course examines policy issues related to Economics and how governments shape the economy of their country. Issues such as global trade, inflation, unemployment, money supply and interest rates are all considered, among others. Students who take this course should have a keen interest in economics and business.

This class will be similar to Economics 11 in that it utilizes a mixture of lecture, discussion and activities. Economics 11 is a recommended pre-requisite since previous knowledge of economic concepts would be beneficial to any students interested in taking Economics 12. Students will participate in a World Trade Organization Summit and write a final exam in this course.

**ENGLISH 12**

Pre-requisite: Successful completion of English 11

Course content includes the study of short stories, novels, poetry and Shakespearean drama as well as skill development in language, creative writing, technology and critical thinking. Required for post-secondary university study, English 12 offers students an opportunity to develop proficiency in oral and written communication skills. Evaluation is based on projects, assignments, presentations, quizzes, tests and exams.

**ENGLISH 12: African Heritage**

Pre-requisite: Successful completion of English 11

English 12: African Heritage is an English course with an extensive focus on African literature. Much like any English course, various literary texts, such as short fiction, fables and folktales, novels, poetry, film and music will be studied. English 12: African Heritage is divided into several units, including: Pre-Colonial Africa, Slavery and Reconstruction, Renaissance, and Social/Political Change. As a class we will analyze the corresponding historical periods, from the Underground Railroad and the abolitionists’ cause to the Hip Hop generation of today. Evaluation is based on projects, assignments, presentations, quizzes, tests and exams.

English 12: African Heritage fulfills the grade 12 English language arts requirements for graduation.

**ENGLISH COMMUNICATIONS 12**

Pre-requisite: Successful completion of English 11 or English Communications 11.

English Communications 12 comprises the study of short stories, novels, poetry and Shakespearean Drama as well as skill development in language, creative writing, technology and critical thinking.

This course is intended for students who may need additional support in their development as readers, writers and language users. This course is intended to prepare students for life-long learning by involving them in practical experiences closely related to their lives.

Assessment includes: assignments, presentations, projects, tests and exams. This course is not accepted for admission to university.

**ENTREPRENEURSHIP 12**

This course is a hands-on business course where students learn the skills needed to start up and run their own business. Some topics that will be covered include marketing, market research, logistics, cost analysis and more.

In this class you will also learn to apply your creativity skills by thinking of creative marketing as well as creative services, products and events. While there is no final exam in this course, the ventures require work outside of regular scheduled class times.

Students who have a strong work ethic are typically successful in this course. Students will also develop their communication and teamwork skills. Individuals should have an interest in working in groups and with the public if they are going to enroll in Entrepreneurship 12.

**EXERCISE SCIENCE 12**

This course is designed for students who may have an interest in personal fitness and training, in understanding how the body works from a physical perspective, or in a career related to physiotherapy, massage therapy, teaching, paramedic, personal trainer, athletic therapy or nutrition. It would also be useful for any student considering enrolling in a Human Kinetics or Kinesiology program at the post-secondary level.

The majority of the course hours (75%) are held in the classroom while the remaining hours (25%) are held in the gym. During the gym component, students do fitness testing, lead the class in some type of fitness activity, and prepare for their field trip to a local elementary or junior high school.

Topics covered in this course include anatomy, energy systems, training methods and principles, nutrition, physiology and other health-related topics. Evaluation for this course will be comprised of fitness labs, tests, assignments, and field trips to teach at the Junior High or Elementary school. There is also a final exam in this course.

The course fulfills the Physical Education requirement for high school graduation.

**FILM AND VIDEO PRODUCTION 12**

This technology course offers students the opportunity to work independently as well as part of a production team, to explore the role of the film industry and develop critical awareness of historical and cultural aspects of film. Students will work through the process of producing a film or video from script development, to lighting, sound, camera angles, story-boarding, and finally editing the final product.

To be successful in this course, you must be able to work well in groups and have good team skills. As part of the production team in this course, attendance is essential.

This course fulfills the Technology requirement for high school graduation.

**FOOD STUDIES/HOSPITALITY 12**

Food & Hospitality 12 is designed for exploration into food & beverage through a hospitality service perspective. Students will utilize a hands on approach to develop skills suitable for employment in the food industry. Students will practice safe food handling, food prepa-
ration, menu planning, plating of food, and serving of food. Students will have the opportunity to gain a National Standard Food Safe Level I (one) Certification.

FRANCAIS 12 (IMM)
This course is conducted entirely in French, therefore students are expected to speak French at all times while in class. Students will further develop advanced written, oral and listening skills. Evaluation is based on homework, oral and written projects, group and individual presentations, tests, quizzes and exams.

GEOLOGY 12
This course is an in depth study into the lithosphere (Earth’s Crust) which will look at rock types, the rock cycle, volcanoes, earthquakes, land forms, glaciers, and geological time. Students will be responsible for modern connections to geology, Canadian content, and regular article readings. There will be several labs which look at core samples, earthquakes, and climatic data. There is a final exam in this course.

This course fulfills the second Science requirement for graduation.

GLOBAL GEOGRAPHY 12
Global Geography 12 is a social geography course that examines world trends and issues on a global scale. Topics include population, standards of living, urbanization and natural disasters. Students are required to do independent readings and to construct and interpret charts, graphs, maps and tables.

Global Geography 12 is a perfect choice for students with general environmental interests or an interest in environment-related occupations. Evaluation is based on class work, oral participation in class, assignments, projects, class presentations, and a final exam.

This course fulfills the Global requirement for high school graduation.

GÉOGRAPHIE PLANÉTAIRE 12 (IMM)
This course is open to students in French Immersion program. Géographie Planétaire 12 is a social geography course that examines world trends and issues on a global scale. Topics include population, standards of living, urbanization and natural disasters.

Géographie Planétaire 12 is a project based course where students research and interpret information.

This course fulfills the Global requirement for high school graduation.

GLOBAL HISTORY 12
Global History 12 is a course that examines the history of the world after World War II. Major units of study are: The Global Historian, The Dynamics of Geo-Political Power (Cold War), The Challenge of Economic Disparity, Justice and Social Change. Throughout the course, the theme of interdependence will be examined. Students will use the research skills of the historian to formulate viewpoints on numerous issues. Evaluation consists of a variety of assignments, tests and a final exam.

This course fulfills the Global requirement for high school graduation.

GLOBAL POLITICS 12
Global Politics 12 is designed to give students the skills and knowledge to become an active global citizen though the critical investigation of contemporary global political issues. The course will include examining a range of global political systems (communism, fascism, capitalism, socialism, and democracy) as well as the structure and organization of government. Further, the course will investigate the historical roots of the Canadian system, provincial and territorial governance, the election process, and the roles of the executive, legislative, and judicial branches of the government. Global Politics will continue with a comparative analysis of the various contemporary global governing systems (U.S. and others, dictatorial and democratic, etc.). Finally, the course will explore global interconnectedness and the organizations that govern relations between nations (the UN, NATO, IMF, World Trade, and World Bank).

This course fulfills the Global requirement for high school graduation.

HOME TRADES TECHNOLOGY 12
This course provides a range of experience and learning opportunities related to the carpentry, electrical and plumbing trades. Students will develop some of the skills and knowledge necessary to participate in the home construction industry including using the basic tools of each trade. Projects include drawing construction diagrams, building model homes, wiring typical household circuits and creating a basic home water supply and drainage system.

This course is open to all students and assessment is mainly based on projects, some written assignments and several small tests. There is no final exam in this course.

This course fulfills the Technology requirement for high school graduation.

LAW 12
This course surveys the Canadian legal system. Students engage in an exploration of both criminal and civil law. The Canadian and American systems are contrasted. The roles of the prosecutor, defense, judge and jury are examined. Various crimes and defenses are detailed. The legal process is outlined from arrest to verdict. Later, students shift their focus to civil law: litigation, contracts, consumer law, marriage/family law, and finally, wills.

Evaluation consists of classwork, assignments, projects, presentations and a final exam.

LEADERSHIP 12
This course will deal with the theoretical and practical application of human relations. The time in class will be split between classroom instruction and practical workshops acquiring and using the basic knowledge of leadership and peer helping.

The students will develop peer helping skills, learn how to conduct a meeting, practice efficient public speaking, review resume and interview skills, be involved in promotion and running of school events and work on school and community relations. There is no final exam in this course.

MATHEMATICS ESSENTIALS 12
Prerequisite: Successful completion of Mathematics Essentials 11 or Mathematics at Work 11 prior to enrolling Mathematics Essen-
tials 12. 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.

Students in Mathematics Essential 12 will do the following modules.

- Module 1: Measurement
- Module 2: Mini-project: Mathematics and Career Exploration
- Module 3: Ratio, Rate, and Proportion
- Module 4: Major Project: Math Preparation for the Workplace

**MATHEMATICS 12**

Prerequisite: Successful completion of Mathematics 11 or Pre-calculus 11. prior to enrolling in Mathematics 12. These courses are to be taken consecutively, not concurrently, and the order may not be reversed. A minimum final mark of 65 in Mathematics 11 is recommended.

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, investing money, set theory, logical reasoning, counting methods, probability, polynomial functions, exponential and logarithmic functions and sinusoidal functions.

**MATHEMATICS AT WORK 12**

Prerequisite: Successful completion of Mathematics at Work 11 or Mathematics 11 prior to enrolling in Mathematics at Work 12. 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 workforce 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, scatter plots, linear relationships, owning and operating a vehicle, properties of polygons, transformations and trigonometry.

**MULTIMEDIA 12**

Multimedia 12 provides students with an opportunity to work with collecting and recording electronic or digital images and sound. With these collected media, students will create and manipulate these sounds and images into multi-media projects that will reflect ideas and norms of 21st century society.

Students in this course will develop an understanding of the many different forms of expression available and use them to reflect their own experiences, ideas and opinions. A sense of artistic creativity as well as a basic understanding of computer technology would be an asset to students in this course.

At the completion of this course, students will have a basic portfolio of their work that can be used when applying for post-secondary programs.

The study of multimedia can lead to a broad range of occupations within the arts and communication disciplines and can also be applied across a broad range of other disciplines and occupations. Occupations include Animator, Communications designer, Graphic artist, Interface designer, Sound producer, Recording technologist, Software developer, Video editor and Website designer.

This course fulfills the Technology requirement for high school graduation.

**MUSIC 12**

This course is a project-based music course. Through previous study in theory, history, ear training, composition and presentation, students will be expected to apply these skills to complete four to five major projects. A successful completion of Music 10 and 11 is strongly recommended as the level of performance and musical understanding required to successfully achieve the outcomes for music 12 is high.

This will include some use of technology for writing and recording. There will be a process portfolio kept throughout the creative process and many presentations given. There will be constant assessment by the teacher, your peers, and yourself as well. There will be a theoretical component that will involve several quizzes.

This course sets a foundation for students’ efforts at organizing and presenting and will help to develop the intellect, creativity, and communication skills. It should help to prepare you for a life of music, either as a career or as an important part of your everyday life.

This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.

**MUSIC INSTRUMENTAL BAND 12**

Instrumental Music 12 is a continuation of Instrumental Music 11. Students interested in this course should have a minimum of 4 years experience playing a band instrument, be proficient in reading music and have a playing knowledge of all major and minor scales.

This performance-based course will focus on individual instrument technique, ear training, theory, composition/arranging conducting and music history. Through the study of traditional band literature, students will explore various styles, composers, arranging techniques and historical content.

More emphasis will be placed on individual performance at this grade level. Students will be expected to perform a minimum of 2 major solo works over the semester.

Composition and arranging will continue and conducting will also be introduced. Evaluation in this course will be based on individual/
group performance testing, ear training, composition/arranging, ensemble work and short quizzes. There is no final exam in this course.

This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.

**MUSIC VOCALS 12**

This academic course teaches through choral singing. There will be a continuation of theory, ear training, and history from the grade 11 level taught through the thorough study of choral preparation and performance. There will be an emphasis on vocal health and technique, and singing musically within a choir.

There will be a large variety of styles and musical eras covered. There is one rehearsal a week outside of regular class time, on Tuesday mornings at 8 o’clock. This will also include choir members from outside of the class. Evaluations will include quizzes, chamber concert performances, technique testing, small group composition, conducting, projects and assignments.

If you find joy in singing, and have a background in music theory, and want to know more about you voice and music, then this course is for you.

This course fulfills the Fine Arts requirements for high school graduation. Please Note: Students can only receive one music credit per grade level towards graduation.

**MUSICAL THEATRE 12**

Students will study the history of musical theatre, acting, dance and singing. The class will prepare a number of “production numbers” from various musicals.

All students are expected to be on the production team of the school’s annual musical. Problems specific to production of musical theatre will be discussed and resolved. Some of the course content will take place outside of the regular school hours.

This course **DOES NOT** fulfill the fine arts requirements for high school graduation.

**PHYSICAL EDUCATION LEADERSHIP 12**

This course will develop leadership skills through experience in the context of outdoor and environmental education. Students will engage in a wide variety of outdoor experiences, including hiking, mountain biking, camping, rock climbing and canoeing, to develop personal skills in the pursuit of active and healthy lifestyles. Students will also receive Field Leader Certification through the Outdoor Council of Canada, a nationally recognized certification in Outdoor Leadership.

There will be a study of the history of outdoor leadership and some of the great leaders past and present. Students will have the opportunity to develop personal leadership skills in each of the outdoor pursuits modules. This course will require students to engage in regular physical activity both in the school and the outdoors.

The course fulfills the Physical Education requirement for high school graduation.

**PHYSICS 12**

Prerequisite: Successful completion of Physics 11 or Advanced Physics 11 prior to enrolling in Physics 12. These courses are to be taken consecutively, not concurrently, and the order may not be reversed. A minimum final mark of 65 is recommended.

Physics 12 is a continuation of the Physics 11 course. We will advance our study from 1-dimensional problems to 2-dimensional problems. We will continue with Kinematics, Dynamics, Electricity and Magnetism, Nuclear Physics, and Modern Physics. We will study through in class problems, assignments, projects and laboratories.

This course requires that students have Physics 11 or Advanced Physics. There is a final exam worth 30%.

**PRE CALCULUS MATHEMATICS 12**

Prerequisite: Successful completion of 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.

Students in Pre-calculus 12 will study the following topics: Transformations, radical functions, polynomial functions, trigonometry, exponential and logarithmic functions, rational functions, function operations, permutations, combinations and the binomial theorem.

**PRODUCTION TECHNOLOGY 12**

This course involves the study of how industry develops resources into the products we use through processing, construction and manufacturing technology. Projects include designing with AutoCAD computer software, creating advertisements and constructing wood products through mass production and craft production methods.

Students must be willing to use hand and power tools.

This course is open to all students but having taken Production Technology 11 can be an asset. Evaluation is mainly based on wood working projects, written assignments and small tests. There is no final exam in this course.

This course fulfills the Technology requirement for high school graduation.

**PSYCHOLOGY 12**

This course examines human behavior, thoughts and feelings. It is ideal for students interested in understanding themselves and others better. Psychology 12 mirrors the content of a first year college or university course.

Topics covered in Psychology 12 include research techniques, states of consciousness, statistics, learning, neuroscience, mental disorders & treatments, developmental, and social-cultural issues. Students are expected to learn a significant amount of psychological terminology.

The course evaluation is based on seven (7) unit tests, various assignments, individual and group presentations, research skills, critical thinking exercises, and a final exam.
SOCIOLOGY 12
Sociology 12 is designed to introduce students to the scientific study of human society and interaction. The course is built around five units that provide a basic overview of the field of study:

Unit 1 - Sociology: A Social Science
Unit 2 - Culture: A Shared Human Experience
Unit 3 - Socialization: The Shaping of Human Behavior
Unit 4 - Social Organization: Living Together as Humans
Unit 5 - Social Control: Deviant and Conformist Behavior

The central focus is on providing students with a deeper understanding of the social groups and the society in which humans live, with a particular focus on a Canadian context. The course provides students with an enhanced understanding of human behavior - their own and the others with whom they interact on a daily basis. While psychology is a social science that studies the individual, sociology is the social science that studies people as they interact with others. This course would be beneficial for students who are interested in pursuing post secondary studies in human services, education, correctional/police services, etc. Evaluation in this course is based on assignments, tests, quizzes, projects and a final exam.

VISUAL ARTS 12
This academic course builds upon skills and knowledge from Visual Arts previous two years. The thrust of this course is imagination and creativity.

Students at this level should be self-motivated and serious in their desire to perform well. Independent study and work is encouraged. The course deals with art theory and history with an emphasis on modern art.

The creation of a portfolio will take the place of a final exam in this course.

This course fulfills the Fine Arts requirement for high school graduation.