

HANDBOOK OF COURSE DESCRIPTIONS



OROMOCTO HIGH SCHOOL

2023-2024

Principal: Mr. Kevin Inch



ESSENTIAL SKILLS ACHIEVEMENT PATHWAY (ESAP)

The essential Skills Achievement pathway (ESAP) Program is an opportunity for students to earn a high school diploma that prepares them for a post-secondary education, apprenticeship, or the world of work. The program consists of personalized learning opportunities that allow students to explore their skills, talents, abilities, and interests while intentionally attaining the 9 federally identified Essential Skills. Proficiency in these skills are demonstrated and evaluated through problem and project-based learning in the essential classroom, content specific courses, community experiential learning and work place opportunities. Students apply and are selected for the ESAP program at OHS during their Grade 10 year.



Current Post Secondary Pathways

- Accounting and Payroll
 - Administrative Professional: Bilingual
 - Administrative Professional: Executive
 - Administrative Professional: Medical
 - Agricultural Equipment Mechanic
 - Animation and Graphic Design
 - Automotive Service Technician
 - Bricklaying
 - Business Management
 - Carpentry
 - Child and Youth Care
 - CNC Machining
 - Communications and Public Relations *
 - Community and Social Services
 - Cosmetology
 - Criminal Justice: Corrections
 - Culinary Arts Management
 - Culinary Arts: Cook
 - Drafting Technology *
 - Early Childhood Education
 - Education *
 - Educational Assistant
 - Electrical
 - Engineering *
 - Engineering Technology
 - Firefighter
 - Funeral Services *
 - Graphic and Communication Design
 - Heavy Equipment Operator
 - Heavy Equipment Service Technician
 - Hotel and Restaurant Management
 - Hotel and Restaurant Operation
 - Human Services
 - HVAC: Sheet Metal Fabrication
 - Industrial Mechanics
 - International Travel and Tourism
 - Legal Services
 - Licensed Practical Nurse *
 - Machinist
 - Marine Diesel Mechanics
 - Mechanized Forest Equipment Operator
 - Medical Laboratory Technology *
 - Mental Health Professional *
 - Mobile Crane Operator
 - Motor Vehicle Body Repairer and Painter
 - Network Administration
 - Network Support
 - Paramedic
 - Personal Support Worker
 - Pharmacy Technician
 - Plumbing
 - Police Foundations
 - Powerline Technology
 - Programmer-Analyst
 - Refrigeration and Air Conditioning Technician
 - Small Engine (Motorcycle) Mechanic
 - Steamfitter/ Pipefitter
 - Steel Fabrication
 - Truck and Transport Technician
 - Veterinary Technology
 - Visual Arts Foundation
 - Web and Mobile Application Development
 - Welding
- * = New this fall 2021

COURSE CLUSTER INDEX - GRADE 11-12 COURSES

COURSE	COURSE
BUSINESS AND RELATED COURSES	MATH
Business Organization & Management 120	Calculus 120
Economics 120	Financial and Workplace Mathematics 110
Entrepreneurship 110	Foundations of Mathematics 110
Intro to Accounting 120	Foundations of Mathematics 120
CAREER STUDIES	NBCC Skilled Trades and Ready Work Math 120
Cooperative Education 120	Number, Relations, and Functions 10
ENGLISH	Pre-Calculus 110
English Language Arts Extnd 10	Pre-Calculus A 120
English Language Arts 111 A	Pre-Calculus B 120
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English Language Arts 112 A	Agriculture 110
English Language Arts 112 B	Biology 112
English Language Arts 113 A	Biology 122
English Language Arts 113 B	Chemistry 112
English Language Arts 121	Chemistry 122
English Language Arts 122	Enviro Geoscience 110
English Language Arts 123	Human Physiology 110
Growth, Goals, and Grit 120	Intro to Environmental Science 120
Journalism 120	Nutrition for Healthy Living 120
Writing 110	Physics 112
FINE ARTS / LIFE ROLE	Physics 122
Creative Arts 110	SKILLED TRADES AND TECHNOLOGY
Dramatic Arts 110	Automotive Electrical Systems 120
Dramatic Arts 120	Computer Science 110
Graphic Art and Design 110	Computer Science 120
Music 120	Culinary Technology 110
Visual Arts 110	Culinary Technology 120
Visual Arts 120	Cybersecurity 120
FRENCH IMMERSION COURSES	Digital Production 120
FI Ind Family Dynamics 120	Electrical Wiring 110
FI Language Arts 110	Fashion Technology/Design 110
FI Language Arts 120	Framing and Sheathing 110
FI Number, Relations, and Functions 10	Internal Combustion Engines 110
FI/FSL Biology 112	Intro to Applied Technology 110
FI/FSL Personal Interest 1	Media Studies 120
FI/FSL World Issues 120	Mill & Cabinet Work 120
FSL Tech de Comm 120	Power Train & Chassis 110
LANGUAGES	Residential Finish and Insulation 120
Intro to Wolastoqey 110	Robotics and Technology 120
Post Intensive French 110	Tune-up And Emissions 120
Post Intensive French 120	Welding/Metals Fab 110
Spanish 110	SOCIAL STUDIES AND HUMANITIES
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Photography 120	Child Studies 120
Social Emotional Learning Strategies 120	Indigenous Studies 120
Women, Media, And Culture 120	Individual Family Dynamics 120
PHYSICAL EDUCATION & HEALTH	Law 120
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Outdoor Education 110	Modern History 113
Physical Education Leadership 120	Personal Interest Course 1
Wellness Through Physical Education 110	Political Science 120
Psychology 110	Sociology 120
Psychology 120	World Issues 120

Oromocto High School Course Descriptions

ALPHABETICAL LIST OF COURSES – GRADE 10- 12 COURSES

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Business Organization & Management 120	18	Intro to Accounting 120	27
Calculus 120	19	Introduction to Electronics 110	27
Canadian Geography 120	19	Intro to Environmental Science 120	27
Canadian History 122	19	Intro to Wolastoqey 110	27
Certificate of Oral Proficiency	9	Journalism 120	28
Certificate of Immersion	9	Law 120	28
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Chemistry 112	19	Mill & Cabinet Work 120	28
Chemistry 122	19	Modern History 112	28
Child Studies 120	19	Modern History 113	28
Computer Science 110	19	Music 10	29
Computer Science 120	20	Music 120	29
Cooperative Education 120 (2 Credits)	20	NBCC Skilled Trades and Work Ready Math 120	29
Creative Arts 110	20	Number, Relations, and Functions 10	29
Culinary Technology 110	20	Nutrition for Healthy Living 120	29
Culinary Technology 120	20	Oceanography 120	29
Cybersecurity 120	20	OHS Goal	5
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Electrical Wiring 110	21	Physics 112	30
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English Language Arts 112 A	23	Power Train & Chassis 110	31
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OUR GOAL

Vision: *Oromocto High School will be a healthy, resilient community leading in innovation and adapting to a changing world.*

Mission Statement: *Well-Being, Resiliency, Innovation, Adaptation.*

The Oromocto High School staff believes that high school curriculum should focus on preparing students for the transition from school to a rapidly changing social and economic environment - to prepare students to enter the workplace, to be lifelong learners, and productive members of society.

INTRODUCTION

This booklet has been prepared for students entering grade eleven or twelve in the school year 2023-2024. It provides all the information necessary to complete the student-planning sheet and should be read carefully. Students should do the following before completing the option sheet:

1. Read the organizational section carefully.
2. Read the course descriptions.
3. Choose the compulsory and optional courses that will enable the student to qualify for a New Brunswick High School Diploma.
4. Discuss the choices at home. Speak with a Guidance Counselor, Teacher Advisor, or the School Administration to ensure the courses meet the student's needs.

SCHOOL OFFICIALS WILL ADVISE, BUT THE ULTIMATE RESPONSIBILITY FOR COURSE SELECTION LIES WITH STUDENTS AND THEIR PARENT(S) OR GUARDIAN(S).

Receiving a graduation diploma does not guarantee admission to further education. It is the responsibility of students to ensure their course selections qualify them for admittance to further studies after high school. Guidance Counselors are available to assist students with making the choices to ensure students' goals are met.

THE SCHOOL RETAINS THE RIGHT TO WITHDRAW COURSES LISTED HEREIN BASED ON REGISTRATION DATA AND AVAILABILITY OF TEACHING STAFF. SOME COURSES ARE OFFERED IN ALTERNATE YEARS.

THE FOUR-YEAR HIGH SCHOOL PROGRAM FOR STUDENTS GRADUATING IN 2024 AND 2025

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English (Full year)	English (Full year)	English (Full year Info text 11 + Lit Text 11)	English (1 Credit)
Math (Full year)	Math (GMF 10) Math (1 Credit - NRF 10 or Fin Work Math 110)	Math (1 Credit – Foundation Math 110 or Fin Work Math 110 or NBCC Skilled Trades Work Ready Math 120)	Elective NBCC Skilled Trades Work Ready Math 120 (if needed to complete the Financial Workplace Pathway 1)
Science	Science	A Science Credit	Elective
Social Studies	Civics 10	A History Credit	Elective
Post-Intensive French	Post-Intensive French	Fine Arts / Life Role Development Credit	Elective
Physical Education	Personal Development	Elective	Elective
Visual Arts – 45 Hrs.	2 of these 5: Music BBT Physical Education Visual Arts – Fee-\$10.00 Intro to Applied Tech 110 (1 Credit) Fee - \$35.00	Elective	Elective
Music – 45 Hrs.		Elective	Elective
Technology – 90 Hrs.		Elective	Elective
			Elective

GRADUATION REQUIREMENTS

- Successful completion of Grades 9 and 10.
- Grades 9 and 10 French must be successfully completed.
- Successful demonstration of technological skills. This may normally be accomplished by successful completion of the Grade 9 Broad Based Technology course, although it may also be accomplished by successful completion of other courses, such as Computer Science 110 or Information Technology 120.
- Successful completion of all 7 compulsory Grade 11 and 12 courses, as listed on the next page, as well as successful completion of a minimum of 10 elective courses, for a total of 18 Grade 11 and 12 courses.
- A minimum of five (5) courses must be at the Grade 12 level, one of which must be English 12.
- Students must attempt 10 courses during each of their Grade 11 and Grade 12 years.
- Students must take five (5) courses in each semester for four (4) semesters - 10 courses per year
- **Students must have the Literacy Credential which is earned by a rating of “successful” on the English Language Proficiency Assessment (Grade 9) or the English Language Proficiency Reassessment (Grade 11 or 12).**

GRADE 11 COMPULSORY COURSES

You need to take one course from each cluster; however, you may take more than 1 course in a cluster except English.

English Language Arts Cluster: 111, 112, 113 (one of) (English Literacy and English Info courses for two credits)

Math Cluster - Foundations of Math 110 or Financial and Workplace Math 110 and NBCC Skilled Trades Ready Work Math 120

Science Cluster - One of Physics 112, Chemistry 112, FI Biology 112, Biology 112, Human Physiology 110, Physics 122, Chemistry 122, Biology 122, Introduction to Environmental Science 120, Enviro. Geoscience 110, Robotics and Technology 120, Automotive Electrical Systems 120, Intro to Electronics 110, Agriculture 110

History Cluster – One of Modern History 112/3, Indigenous Studies, World Issues, Canadian History, FI Modern History, or FI World Issues.

Fine Arts/Life Role Development Cluster - One of Visual Arts 110 or 120, Music 120, Theatre/Dramatic Arts 120, Individual Family Dynamics 120, Co-op Education 120, Physical Education Leadership 120, Entrepreneurship 110, Outdoor Pursuits/Education 110, Graphic Arts & Design 110, FI Ind Family Dyn 120, Creative Arts 110, Wellness Through Physical Education 110, Nutrition 120, Culinary Technology 110, Culinary Technology 120, Intro to Applied Technology 110, Growth Goals and Grit 120, and/or any Skills Trade course at the 110 or 120 level. (listed on page 8)

GRADE 12 COMPULSORY COURSES

- The only Grade 12 compulsory course is one of English Language Arts 121, 122, or 123. Students must take 9 optional courses in their Grade 12 year.
- NBCC Skilled Trades Work Ready Math 120 for any student who has not already successfully completed the course and is following the Financial Workplace Pathway.

NOTES REGARDING COURSE SELECTION

- 123 – 1st two digits indicate the grade level. The last digit indicates the level of difficulty. 1 is enriched, 2 is university preparatory, and 3 is general. The ending figure "0" indicates that the course is offered at only one level. Some 0's may be university entrances. In all sequential subjects, courses numbered 11- are prerequisites for courses numbered 12-.
- Students will take five subjects each day.
- Students planning to go on to further their education beyond high school should select courses with care regarding entrance requirements at various post-secondary schools.
- In completing the course selection form, students must select ten courses plus two optional courses to be used as a substitute if necessary. Remember the year-long Grade 11 English course counts as two credits. These credits are awarded when the course is completed successfully at the end of the school year.

Students entering grade 11 are encouraged to develop a tentative two-year plan.

ELECTIVE COURSES

Elective courses are designed to allow students flexibility in completing their requirements for graduation. Students may choose a broad program, or they may choose to concentrate in one specialized area of the curriculum, such as, Science, Business Education, or Skilled Trades and Technology. Elective courses may be selected from any of the compulsory clusters or from any of the following prescribed courses.

Students may take only 2 Locally Developed Courses (Local Option) that are eligible for credits for graduation purposes; however, these courses may not replace a compulsory course. Students may also take up to 2 Challenge for Credit Courses, 1 Independent Study, and/or 2 Personal Interest Courses for graduation purpose.

LOCAL OPTION COURSES

OCEANOGRAPHY 120

SOCIAL EMOTIONAL LEARNING STRATEGIES 120

PHOTOGRAPHY 120

WOMEN, MEDIA, AND CULTURE 120

DISTANCE EDUCATION (ON-LINE COURSES)

Students wishing to take Distance Education Courses must be in Grade 11 or 12 and register through Guidance. For more information see your guidance counselor.

The distance learner is the student who:

- **Learns independently**
- **Views learning positively**
- **Is self-disciplined**
- **Manages their time well**
- **Enjoys working alone**
- **Expresses themselves clearly, in writing**
- **Has good, basic computer skills**
- **Values the role of technology in learning**
- **Loves to problem-solve and thinks critically**
- **Has defined educational goals**

Oromocto High School has the facilities to offer some on-line courses; that is, the course is taught with the aid of a computer and an on-line instructor, who may be located somewhere else in the province. Students are normally registered in these courses during regular class time. Most courses require an extra 5 hours per week of the students' time.

TECHNOLOGY EDUCATION AND SKILLED TRADES

Technology Education and Skilled Trades provides students with opportunities for problem solving, designing, creating, and addressing current trends and issues. Student's use and study technology to create practical solutions to problems - individually or in groups - to develop technological skills, knowledge, and work ethics.

Technology Education enables students to explore their ideas, gain practical experiences, and work through thinking processes in a safe and supportive environment. Technology Education allows learners to evaluate their strengths and interests in career choices. It also reflects rapid changes in the workplace and allows students to make informed decisions about their futures while providing a foundation of skills that enable high school students to be gainfully employed after graduation—either full-time or while continuing their education or training.

Students enrolled in High School Technology Education and Skilled Trades courses may use a percentage of their hours towards Apprenticeship training.

Skilled Trades and Technology includes the courses found in the subject areas of Technology Education

- | | |
|--|---|
| 1. Automotive Electrical Systems 120 | 11. Intro to Applied Technology 110 |
| 2. BBT 9 | 12. Internal Combustion Engines 110 |
| 3. Computer Science 110 | 13. Mill & Cabinet Work 120 |
| 4. Computer Science 120 | 14. Power Train & Chassis 110 |
| 5. Culinary Technology 110 | 15. Residential Finish and Insulation 120 |
| 6. Culinary Technology 120 | 16. Robotics and Technology 120 |
| 7. Cybersecurity and Technical Support 120 | 17. Tune Up and Emissions 120 |
| 8. Digital Production 120 | 18. Welding/Metals Fabrication 110 |
| 9. Electrical Wiring 110 | |
| 10. Framing & Sheathing 110 | |

**THE FOUR-YEAR FRENCH IMMERSION HIGH SCHOOL PROGRAM FOR FI STUDENTS
GRADUATING IN 2024 AND 2025**

GRADE 9	GRADE 10	GRADE 11	GRADE 12	
English (Full year)	English (Full year)	English (Full year Info text 11+ Lit Text 11)	English (1 Credit)	
FI Math (Full year)	FI Math (GMF 10) Math (1 Credit – FI NRF 10 or Fin Work Math 110)	Math (1 Credit – Foundation Math 110 or Fin Work Math 110 or NBCC Skilled Trades Work Ready Math 120)	Elective NBCC Skilled Trades Work Ready Math 120 (if needed to complete the Financial Workplace Pathway 1)	
FI Science	FI Science	A Science Credit	Elective	
FI Social Studies	FI Civics 10	A History Credit	Elective	
FILA	FILA	Fine Arts / Life Role Development Credit	Elective	
Physical Education	Personal Development	Elective	Elective	
Visual Arts – 45 Hrs.	2 of these 4: Music BBT 10 Physical Education Visual Arts – Fee-\$10.00 Intro to Applied Tech 110 (1 Credit) Fee - \$35.00	Elective	Elective	
Music – 45 Hrs.		Elective	Elective	
Technology – 90 Hrs.		Elective	Elective	
		Elective	Elective	

FRENCH IMMERSION COURSES

Students who have successfully completed the Early or Late French Immersion programs in middle school and have followed the French Immersion program through Grades 9 and 10, and other students with a similar proficiency in French as a second language may opt to take the following French Immersion courses:

- | | | |
|----------------------------------|------------------------------|--------------------------------------|
| FI BIOLOGY 112 | FI IND FAMILY DYN 120 | FI PERSONAL INTEREST COURSE 1 |
| FI LANGUAGE ARTS 110, 120 | FI LAW 120 | FI TECH DE COMM 120 |
| FI MODERN HISTORY 112 | FI WORLD ISSUES 120 | |

PLEASE NOTE: FI Language Arts 110 & 120 are not available to Francophone students.

CERTIFICATE OF ORAL PROFICIENCY

All students enrolled in either Post Intensive French 120 or FI Language Arts 120 will be interviewed by a professional interviewer from the Department of Education. Those students who have completed all the required French courses (Post-Intensive or Immersion) from Elementary to Grade 12 will be presented a certificate at Graduation indicating their level of oral proficiency.

CERTIFICATE OF IMMERSION

To obtain the Certificate of Completion of Immersion, a student must meet the following requirements:

- 50% of instruction in French in Grades 9 and 10
- Five (5) French Immersion credits successfully taken during the Grade 11 and 12 years. **The certificate shall be presented at Graduation.**

CERTIFICATE OF CANADIAN STUDIES

Students who successfully complete the following two courses are eligible for a certificate in Canadian Studies.

1. Canadian History 122
2. Canadian Geography 120

PERSONALIZED LEARNING EDUCATION PLANS

Students who require an Accommodated, Adjusted, or Individualized Personalized Learning Plan (PLP) are eligible to have course content modified to meet their educational needs. The student's course selections should be done in consultation with the Resource Teacher, Guidance Counselor and Parents.

GENERAL NOTES

It is necessary for students to accept a large part of the responsibility for choosing their own courses with wisdom and foresight. These choices must be made early in the year if the work in connection with individual scheduling is to be completed in time for September school opening. Entrance requirements for universities and community colleges must play an important role in course selection. It is important to note that **UNIVERSITY ENTRANCE REQUIREMENTS MAY BE DIFFERENT FROM HIGH SCHOOL GRADUATION REQUIREMENTS**. Students should consult with Guidance Counselors regarding entrance requirements for specific courses at post-secondary institutions.

The school will endeavor to provide counseling services to assist students in selecting courses. The following factors will be considered:

- (a) long-term education and skilled trades' goals
- (b) achievement in previous school experiences
- (c) demonstrated attitudes toward school subjects
- (d) mental and manual aptitudes

Parents and students are requested to give course choices serious consideration, as it is difficult to make course changes during the school year. Parents and students are invited to consult with the school on any matter regarding course selection at any time.

The school reserves the right to withdraw courses where there is insufficient registration. In cases of over subscription for courses, priority may be given to senior students.

**THE 4 YEAR SCHOOL PLAN FOR STUDENTS ENTERING GRADE 9 AND 10 IN 2023-2024
SCHOOL YEAR**

Requirements	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Language and Literacy (24 C.H.)	English Language Arts Lit Text 9	English Language Arts Foundation 10	English Language Arts Lit and Info Text 11	English Language Arts 12
	English Language Arts Info Text 9	Language and Literacy Choice		
	Post Intensive French 9 or Wolastoqey	Post Intensive French 10 or Wolastoqey		
Mathematics (12 C.H.)	Math 9 A	Geo Measure & Fin 10	Math Pathway Choice	Number of Electives based on cluster requirements remaining
	Math 9 B	Math Pathway Choice		
Humanities (8 C.H.)	Social Studies 9	Civics 10	Humanities Cluster Choice	
Science (8 C.H.)	Science 9	Science Choice	Science Choice	
PERSONALIZED WELLBEING (20 C.H. in total)	PE/Wellness 9	PCPD 10	Number of Electives based on cluster requirements remaining	
Wellness and PE (4 C.H.)	Tech 9	Personalized Wellbeing Cluster Choice		
Creative Arts (4 C.H.) Career Connected (4 C.H.)	Music/Art	Personalized Wellbeing Cluster Choice		
CORE Cluster Electives (20 C.H.)				
<p>Based on Draft Policy 316B, Nov 11/2022 All 2026 Graduates: Have met the learning requirements in K-9 curriculum, Have completed compulsory credit hours 10-12, Have accumulated 100 credit hours to apply for graduation, Have developed a career-life plan in my Blueprint</p>				

THE 4 YEAR SCHOOL PLAN FOR FRENCH IMMERSION STUDENTS ENTERING GRADE 9 AND 10 IN 2023-2024 SCHOOL YEAR

Requirements	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Language and Literacy (24 C.H.)	English Language Arts Lit Text 9	English Language Arts Foundations 10	English Language Arts Lit and Info Text 11	English Language Arts 12
	English Language Arts Info Text 9	Language and Literacy Choice		
	FILA 9	FILA 10	FILA 11	FILA 12 / TECH DE COMM 12
Mathematics (12 C.H.)	FI Math 9 A	FI Geo Measure & Fin 10	Math Pathway Choice	Number of Electives based on cluster requirements remaining
	FI Math 9 B	Math Pathway Choice		
Humanities (8 C.H.)	FI Social Studies 9	FI Civics 10	Humanities Cluster Choice	
Science (8 C.H.)	FI Science 9	Science Choice	Science Choice	
PERSONALIZED WELLBEING (20 C.H. in total)	PE/Wellness 9	PCPD 10	Number of Electives based on cluster requirements remaining	
	Tech 9	Personalized Wellbeing Cluster Choice (RECOMMENDED 1 FI option for FI students)		
	Music/Art	Personalized Wellbeing Cluster Choice		
Wellness and PE (4 C.H.)				
Creative Arts (4 C.H.)				
Career Connected (4 C.H.)				
CORE Cluster Electives (20 C.H.)				
<p>Based on Draft Policy 316B, Nov 11/2022 All 2026 Graduates: Have met the learning requirements in K-9 curriculum, Have completed compulsory credit hours 10-12, Have accumulated 100 credit hours to apply for graduation, Have developed a career-life plan in my Blueprint</p> <p>50% of FI Courses in Grade 9 and 40 credit hours in Grades 10-12 French.</p>				

HIGH SCHOOL GRADUATION REQUIREMENTS

For students in grades 11 and 12 during the 2023-2025 school years will continue to work towards graduate requirements found in Policy 316A.

For students expected to graduate 2026 and after the graduation requirements will change. Policy 316B indicates that as of 2026, graduates must:

- have met learning requirements prescribed in Grade 9 curriculum
- have completed compulsory credit-hours in Grades 10 through 12
- have accumulated 100 credit-hours to apply for graduation
- have developed a documented career-life plan

Students can begin to accumulate credit hours in courses once they have met the learning requirements prescribed for the Grade 9 curriculum in the corresponding subject area or equivalent. Students will be eligible to graduate when the graduation requirements are met.

The minimum acceptable grade of 60% is required in the learning expectations for high school courses. Students are required to accumulate the minimum credit-hours in each of the 7 subject area clusters and acquire a literacy credential by achieving a successful rating on the English Language Proficiency Assessment. Schools may apply to have a student exempt from the ELPA if the student is learning English as an additional language at A1-A2 levels in reading/writing. Students at B1 level and above should attempt the ELPA with universal accommodations.

Students are required to accumulate:

- 80 total credit-hours from the list of compulsory courses and options in the cluster areas. [72 credit-hours from list of compulsory outcomes + 8 credit-hours from any cluster]
- a minimum of 20 additional credit-hours which may include elective courses, up to 8 credit-hours from Challenge for Credit Courses, 4 credit-hours for Independent Study, and/or 8 credit-hours for Locally Developed Courses

French Immersion students must complete 50% of the Grade 9 curriculum and 40 credit hours in Grades 10-12 French.

COMPULSORY CREDITS

	Core Clusters	Required	Compulsory
	Language Arts and Languages	24 credit hours	PIF/FILA 10, ELA 10, ELA 11, ELA 12 (all of these are 4 credits hours) AND 8 credit hours of options from Language Arts and Languages
	Humanities	8 credit hours	Civics 10 and 4 credit hours from Designated History Course List
	Mathematics	12 credit hours	Geometry, Measurement and Finance 10 and 8 credit hours from Math
	Science	8 credit hours	Options from Science
	Creative Arts	4 credit hours	Options from Creative Arts
Personalized Well-Being	Wellness and Physical Education	4 credit hours	Options from Wellness Physical Education
	Career-Connected	4 credit hours	Options from Career, Information Communication Technology, Occupational, and Skilled Trades Options
	Options from the three Personalized Well-being Clusters	8 credit hours	Creative Arts, Wellness Physical Education, Career, Information Communication Technology, Occupational, and Skilled Trades
	Core Cluster	8 credit hours	Options from any of the following core clusters: Language Arts and Languages, Humanities, Mathematics, Science, Creative Arts, Wellness and Physical Education, Career-Connected
Clusters Credit-hours Total		80 credit hours	Prescribed Courses Only
Flexible Credit-hours Total		20 credit hours	Includes all Options for Credit
Minimum Total Credit-hours for Graduation		100 credit hours	To apply to graduate

PARAMETERS FOR CREDIT HOURS AND SCHEDULING

Credit-hours are based on both outcomes and hours of instruction. Up to the 2022-23 school year, the credit system has been based on 1 credit = 90hrs of instruction. Credit-hours provide a more flexible system in which 4 credit-hours are based on the previously established 90hr courses and prescribed outcomes for Grades 10-12 courses. All courses where credits were earned since 2018, will be updated to make equivalent 4 credit-hours for each 1 credit earned. Each prescribed course in Grades 10 – 12 is designed for 90 hours (4 credit-hours) of instruction. Any variation of this must be approved through the district office and must not compromise the breadth of instruction expected in the curriculum.

Credit-hours provide more flexibility to offer courses that do not run for an entire semester or that may continue beyond a semester. These alternative course lengths may be designed to award credit-hours outside the standard 4 credit-hours.

EARLY APPLICATION TO GRADUATE PROCESS

Students who have met the graduation requirements in Policy 316 Appendix A or B have the option of applying to graduate. This provides flexibility for students, regardless of age or grade level.

Students shall be permitted to attend school sanctioned activities during their current graduation year, provided they are in good standing with the school and district.

Students who graduate before June of their graduation year, will be permitted to participate in all regular graduation activities, provided students have met all of the school's requirements, which may include graduation fees.

Students are recommended to have plan that can include work, college, university, GAP, exchange, or another school, family and student agreed upon plan.

The process will require both a signed letter, review of graduation status and post-secondary requirements by the school, family/guardian, and student. The signed letter will include confirmation of:

- Graduation status
- Post-secondary entrance requirement comparison to completed courses
- Signatures of the following:
 - School Counsellor
 - Administration
 - Parent and/or Guardian
 - Student
- Acknowledgment of all agreed upon parties that the student has met graduation requirements and will not be attending school after the signed date.

ONLINE COURSES

New Brunswick Virtual Learning Centre (NBVLC) offers expanded learning opportunities to all high school students in the province by allowing registered students to access courses online, anywhere, anytime. Course offerings currently consist of over 40 high school courses, including all required courses at the grades 11 and 12 levels as well as many optional and advanced level courses. This allows students to access courses that, because of scheduling conflicts, illness, or limited course availability in their own schools, might not otherwise be available to them.

New Brunswick Virtual Learning Centre (NBVLC), which is constantly being improved, updated and expanded, emphasizes a facilitated learning approach. In such an approach, online teachers use online course chat rooms, discussion boards, email and videoconferencing to engage students in the learning process as well as to answer specific queries students may have. Local facilitators are on hand at the students' schools to ensure that the students can access and use all of the tools and equipment they need to complete the course. Students, for their part, work independently, completing online interactive activities, assignments and tests as they progress through the course. Credit-hours provide more flexibility to offer courses that do not run for an entire semester or that may continue beyond a semester. These alternative course lengths may be designed to award credit-hours outside the standard 4 credit-hours.

COURSES AND CLUSTER OPTIONS

Language Arts and Languages

Required: 24 Credit-hours and Successful completion of the English Language Proficiency Assessment

Compulsory:

PIF/FILA 10 (4CrH)

Grade 10: ELA 10 (Foundations) (4CrH)

Grade 11: ELA 111/2/3 (4CrH)

Grade 12: ELA 121/2/3 (4CrH)

8 credits from the following Options: ELA Extended 10 , FILA 110/120, Post-Intensive French 110/120, Intro/Intermediate Wolastoqey 110, Writing 110, Canadian Literature 120, Journalism 120, Media Studies 120, Spanish 110/120, Technique de Communication 110/120.

Humanities

Required: 8 Credit-hours from the Humanities

Compulsory: Civics 10 (4CrH)

4 Credit-hours from one of the following designated History courses*: Canadian History 122, Indigenous Studies 120, Modern History 112/3, World Issues 120

**Note: for Newcomers who arrived in New Brunswick at age 14+, and have ELL proficiency of CEFR A1-B1: Canadian Identities 9 may be 4credit-hours*

Optional Humanities Courses for Core Cluster Requirement choice from the designated history course list, Canadian Geography 120, Economics 120, Law 120, Political Science 120, Sociology 120.

Mathematics

Required: 12 Credit-hours from the Humanities

Compulsory: Geometry, Measurement and Finance 10 (4CrH)

8 Credit-hours from the following Options: Number Relations and Functions 10, Financial and Workplace Mathematics 110 and/or 120, Foundations of Mathematics 110/120, Pre-Calculus 110, NBCC Math 1208 Dual Credit Skilled Trades Math 120, Pre-Calculus 120A/B, Calculus 120

Sciences

Required: 8 Credit-hours from science

Compulsory: No compulsory courses

8 Credit-hours from the following Options: Science for Sustainable Societies 10, Environmental Geoscience 110, Biology 112 Biology 122, Chemistry 112, Chemistry 122, Physics 112, Physics 122, Human Physiology 110, Introduction to Electronics 110, Introduction to Environmental Science 120, Auto, Electrical Systems 120*, Agriculture 110.

Personalized Well-Being

Required: 20 Credit-hours from the subclusters of Creative Arts, Wellness and Physical Education and Career, Information Communication Technology, Occupational, and Skilled Trades

Creative Arts

Compulsory Creative Arts 4 Credit-hour minimum: Creative Arts 110, Dramatic Arts 110/120, Graphic Art and Design 110, Music 10, Music 111/2, Music 120, Visual Arts 10, Visual Arts 110/120, Fashion Technology and Design 110/120, Media Studies 120, Digital Production 120, Photography 120.

Wellness and Physical Education / Compulsory Wellness and Physical Education 4 Credit-hour minimum:

Nutrition for Healthy Living 120, Outdoor Education 110, Physical Education 10, Psychology 110/120, Wellness through Physical Education 110, Sport and Recreation Leadership 120, Child Studies 120, Individual Family Dynamics 120.

Career Connected

Compulsory Career, Information Communication Technology, Occupational, and Skilled Trades 4 Credit-hour minimum:

Coop 120, Goals, Growth, and Grit 120, Pre-apprenticeship 1, 2 and 3 (Summer Learning Only) PCPD (2023/2024 school year only)

Information and Communication Technology: Computer Science 110/120, Cybersecurity and Technology Support 110, Cybersecurity 120, Digital Production 120, Information Technology 120, Robotics and Automated Processing 120

Occupational: Agriculture 110, Business Organization and Management 120, Entrepreneurship 110, Fashion Technology and Design 110/120, Intro to Accounting 120

Skilled Trades: Automotive Electrical Systems 120, Culinary Technology 110/120, Electrical Wiring 110/120, Framing and Sheathing 110, Internal Combustion Engines 110, Intro to Applied Tech 110, Metals Fabrication/Welding 110/120, Mill and Cabinet Work 120, Power Train and Chassis 110, Residential Finish 120, Tune-up, and Emissions 120

GUIDANCE SERVICES

The Guidance offices are located in Room 36 on the first floor. Our Guidance Center is open to students throughout the day. Appointments are required during class time, but students are welcome on a walk-in basis, in the morning before period one, during lunch hour, and after school.

Students are assigned to Guidance Counsellors based on their last name:

Ms. Chevrier – Students with the last name starting with the letter: A – G

Ms. Kokoski – Students with the last name starting with the letter: H – N

Ms. MacLeod – Students with the last name starting with the letter: O – Z

HOW TO BOOK AN APPOINTMENT WITH YOUR OHS SCHOOL COUNSELLOR:

<https://tinyurl.com/OHSGuidanceAppt>



Step One: Pick your counsellor from the drop-down menu.

Step Two: Select a date and time.

Step Three: Enter your full name (first & last) and email.

Step Four: Select the topic you need to discuss. Step Five: Type your full name again and click “BOOK”. You will get an email confirming your booking. All appointments are scheduled for the beginning of the period. Please arrive on time. When you leave your appointment, you will receive a BLUE SLIP from your counsellor.

Counsellors provide students with guidance/counselling services in the areas of career education, post-secondary options, student loans, scholarships, personal issues, wellness, and referrals to other services in our region. The Guidance Centre has a wide variety of academic information pertaining to Canadian Universities, Technical or Trade Schools, Community Colleges, Private Schools, and Apprenticeship Training. Students may obtain this information by meeting with a Counselor or by

Oromocto High School Course Descriptions

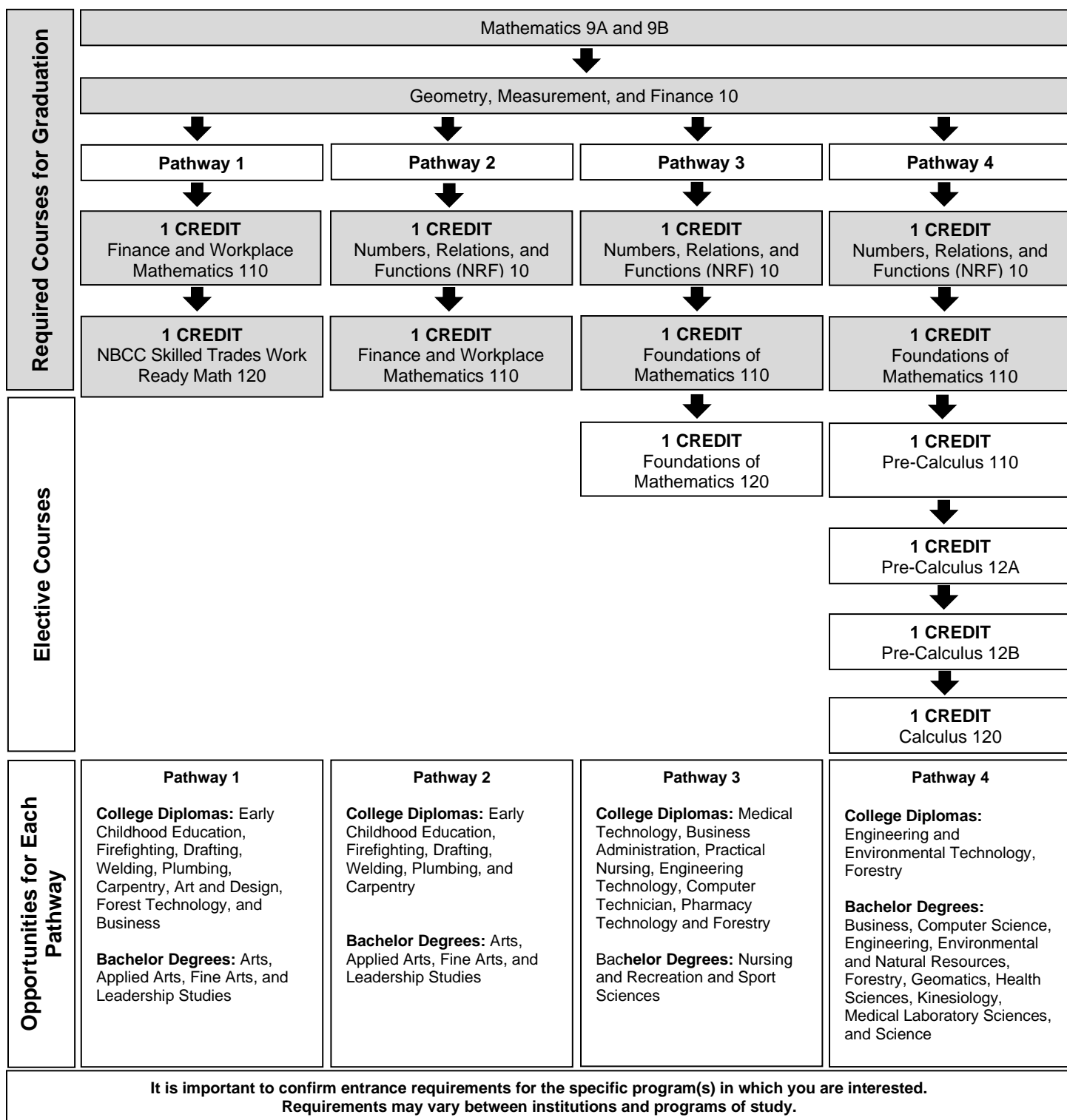
browsing through our many brochures, calendars, pamphlets, or school website via the Internet.

Career Education

A tool that is being used to help students determine career interests and establish an after high school plan is [myBlueprint](http://myblueprint.ca/anglophonewest). How to Create an Account: Visit – myblueprint.ca/anglophonewest

Graduation Pathways for Mathematics

Each pathway is designed to provide students with the mathematical competencies and critical thinking skills they will need after high school. Students should select courses in the pathway that best fits their interests and plans for after high school. Each pathway provides students with a different focus on math concepts and skills. Students may choose to take additional mathematics courses beyond the graduation requirements to better prepare them for what they want to do following high school.



A

AGRICULTURE 110

Agriculture 110 is a New Brunswick high school course intended to formalize course knowledge that was previously offered in some school locations as a local option course. The curriculum provides introductory Agriculture knowledge and skills, experiential learning opportunities, and culminates in a learner-led project proposal or business plan. The careers and technologies referenced in the course include New Brunswick practices over time as well as present contexts.

AGRICULTURE 110 WEINM1100

AUTOMOTIVE ELECTRICAL SYSTEMS 120

This one-credit course is designed to introduce students to the theory of operation and basic service of the automotive electrical system. It will also cover electrical symbols, batteries, lighting, cranking, and charging systems. Students selecting this course should also select Tune-up & Emissions 120. This course may be used as a science credit. **Prerequisite: Int. Combustion Engines 110** Personal Safety Equipment Required

AUTO ELEC SYS 120 WEAUA1200

B

BIOLOGY 112

Biology 112 is a one semester introductory course which is intended to better acquaint students with, and awaken their interest in, living things. Some topics for study include cell structure and function, biodiversity and classification, digestion, circulation and blood, respiration, excretory system, and immunity. Throughout the semester students will be required to master essential areas of curriculum to obtain credit in this course. Extension opportunities will be available to deepen student understanding of the content. Students will be required to do a great deal of work and study, both in class and at home to master the essential requirements of this course. Hands-on activities and laboratory activities will complement the content of each unit of study. In order to earn a Level 1 credit in Biology, students will be required to cover all essential and extension outcomes of 112 as well as additional requirements, such as independent research, presentation, and peer tutoring when possible. **Recommended: GMF 10, Science 10, NRF 10.**

BIOLOGY 112 SEBIA1120

BIOLOGY 122

Biology 122 is a one-semester course that is designed for students who plan to attend university. This course includes the following topics: genetics, evolution, the nervous system, the endocrine system, reproduction, and development. Throughout the semester students will be required to master essential areas of curriculum to obtain credit in this course. Extension opportunities will be available to deepen student understanding of the content. Students will be required to put in a great deal of work and study, both in class and at home, to master the essential requirements of this course. Hands-on activities and laboratory activities will complement the content of each unit of study. In order to earn a Level 1 credit in Biology, students will be required to cover all essential and extension outcomes of 122 as well as additional requirements, such as independent research, presentation, and peer tutoring when possible.

BIOLOGY 122 SEBIA1220

BUSINESS ORGANIZATION & MANAGEMENT 120

This course will allow students to survey all aspects of business and stimulate interest to pursue studies at a post-secondary level as they become aware of career opportunities and the challenges of the entrepreneur in a global setting. This is an introductory course that pertains to business organization, ownership, operation, and management. It will focus on the Canadian Business System and deal with large and small businesses as they function successfully within the system. The course will be organized in a co-operative learning style with seminars, case studies and opportunity for research and sharing of information on such topics as: management of personnel, sources of funding, labour relations, stock market, establishing the best marketing mix for success, dealing with customers, government and the law, and organizational skills. This course may be accepted as a university entrance credit at some institutions.

BUS ORG AND MAN 120 BEBUC1200

C

CALCULUS 120

This is the last course offered in Pathway 4 and follows Pre-Calculus B 120. This course develops the concepts of average and instantaneous rates of change. Derivatives are determined by applying the definition of a derivative and the derivative rules including the Chain Rule and are determined for trigonometric functions. Limits and derivatives of exponential and logarithmic functions are found. Calculus techniques are used to sketch graphs of functions, and to solve optimization problems. Problems are solved involving inverse trigonometric functions, involving related rates, and involving the application of the integral of a function from a variety of fields. The definite integral and the antiderivative of a function are determined. This course is recommended for students interested in post-secondary programs in science, engineering, and mathematics, though it may not be a required entrance requirement. **Prerequisite: Pre-Calculus A 120 and Pre-Calculus B 120**

CALCULUS 120 MEPCD1200

CANADIAN GEOGRAPHY 120

This course is a study of the ever-changing cultural and physical landscapes of Canada and how they impact on each other. It considers where things are, why they are there, and the significance of these with respect to future patterns. Included is an examination of environmental and Canadian geographical issues that are currently pertinent to the lives of Canadians. Students will use a wide range of information and skills to project a vision of Canada in the future. Canadian Geography 120 is accepted for university entrance. Applicable for **Certificate in Canadian Studies**.

CDN GEOGRAPHY 120 HEGEA1200

CANADIAN HISTORY 122

The objective of Canadian History 122 is to examine the socio-economic, political, and cultural development of post-Confederation Canada. Various themes will be explored throughout the course including nationalism, regionalism, immigration, imperialism, industrialization, and urbanization. Students who successfully complete two of Canadian History, Canadian Literature, and Canadian Geography will receive a **Certificate in Canadian Studies**.

CANADIAN HISTORY 122 HEHIA1220

CHEMISTRY 112

This course is the first of two sequential university prep chemistry courses and introduces students to matter, elements, compounds, chemical reactions, and the stoichiometric calculations associated with chemical reactions. Students choosing this course should have a strong mathematical/number sense and a strong grasp of the Chemistry concepts covered in science 9 and 10. Labs are used to reinforce the key concepts learned in this class. A credit in Chemistry may be required for certain programs at Universities and Colleges. This course should be taken in conjunction with Foundations of Mathematics 110. In order to earn a Level 1 credit in Chemistry, students will be required to cover all essential and extension outcomes of 112 as well as additional requirements, such as independent research, presentation, and peer tutoring when possible. **Prerequisite: GMF 10, Science 10. Recommended Background: NRF 10, Foundations of Mathematics 110**

CHEMISTRY 112 SECHA1120

CHEMISTRY 122

Chemistry 122 is the second of two sequential university prep chemistry courses, the theory covered in this course will be displayed directly through applied mathematics. The topics include thermochemistry, solutions, kinetics, equilibrium, acids and bases, and organic chemistry. Labs are used to reinforce many of the concepts learned in class. In order to earn a Level 1 credit in Chemistry, students will be required to cover all essential and extension outcomes of 122 as well as additional requirements, such as independent research, presentation, and peer tutoring when possible. **Prerequisite: Chemistry 112. Recommended background: Foundations of Mathematics 110.**

CHEMISTRY 122 SECHA1220

CHILD STUDIES 120

This course is "a study of the most significant resource that we possess-children". Child Studies 120 explores how children develop physically, socially, emotionally, and intellectually. Students will be required to do observations of children between the age of six months and five years. Thus, ongoing observations and experiences with children is an essential part of this program. Marks are based on observations, a scrapbook, and a final exam.

CHILD STUDIES 120 LEINA1220

COMPUTER SCIENCE 110

Computer Science is fast becoming valued to persons wishing to understand computer careers, software development, and information management. This course focuses on science and technology related knowledge to solve real computer science problems, creating authentic learning situations. Students assess existing programs/games, create games, research, redesign and develop value added programs within the gaming framework.

COMPUTER SCIENCE 110 IEDEC1100

COMPUTER SCIENCE 120

This course is recommended for students with a strong interest in computer programming. Students will learn the basic syntax of the Java language, program Java Applets and write simple programs using object-oriented design principles. The course provides a good foundation for students who wish to pursue a post-secondary program in computer science. **Computer Science 110 is recommended, but not required**, as a prerequisite for Computer Science 120.

COMPUTER SCIENCE 120 IEDEC1200

COOPERATIVE EDUCATION 120 (2 Credits)

Cooperative Education 120 provides students with an opportunity to explore a career that is of interest to them. They are placed in an on-the-job training experience that enables them to apply skills already learned in school or to learn new skills. The course requires two periods per day and is worth two credits. **Interested students must complete an application form available from the Cooperative Education teacher or Guidance Department.** Acceptance into the course depends upon the suitability of the student for training placement and the availability of placements.

COOP EDUC (2cr) 120 TECAF1200

CREATIVE ARTS 110

Creative Arts 110 is an introduction to the Arts in general: a combination of Drama, Music, and Visual Art. Every culture utilizes drama, music, and visual art whether for entertainment, spiritual expression, or both. During this course students will discover how the Creative Arts are representative of different cultures and or different time periods. Students will also learn how all the Creative Arts are combined to produce spectacular productions. The emphasis is not on performance or production but rather on understanding how to perceive expressiveness through various art forms. Students will be expected to do some performing in front of their peers. **Fee - \$10.00**

CREATIVE ARTS 110 FEFA1100

CULINARY TECHNOLOGY 110

Culinary Technology 110 is an entry level hands-on food service training course designed for students who may be considering a career in the food service industry. Culinary skill sets include industry organization, standards, safety, and sanitation, use of tools and equipment, and food preparations. Students will study the theory of each skill and then practice those skills under supervised lab activities. The labs include learning to make cookies, quick breads, pies/pastries, icings/fillings, and baking with yeast. There is also time spent learning to run a small food business. **Lab fee - \$35.00**

CULINARY TECH 110 WECUA1101

CULINARY TECHNOLOGY 120

Culinary Technology 120 is a continuation of Culinary Technology 110. The grade 12 skill sets include a review of skills learned in grade 11, plus: development of skills and knowledge needed in the food service industry, understand sanitation and safety challenges in food service, and to gain knowledge in standard procedures used in food preparation and service. Students are encouraged to learn through enterprise activities. Labs include influences on North American cuisine, food for meals (legumes, fruits and vegetables, shellfish, meat cuts), menu management, plating, and additional food preparation skills. Additional theory includes the planning of quality meals, ordering, pricing, preparation, and service. **Lab fee - \$35.00 Pre-Requisite: Culinary Technology 110**

CULINARY TECH 120 WECUA1200

CYBERSECURITY 120

The Cybersecurity 120 course will look at the fundamentals and possibilities of cybersecurity. Students will be actively engaged in the design, development, and evaluation of defensive cybersecurity projects, including awareness, concepts, and challenges. The intent of this program of study is to have students discussing real-world case studies and learning hands-on activities from day one using the NBCC Cybersecurity virtual hub, while using problem-based and project-based learning. To achieve a high level of student engagement, teachers will use a feedback loop of instruction, hands-on learning, and assessment.

CYBERSECURITY 120 IETEZ1202

D

DIGITAL PRODUCTION 120

Digital Technologies 120 offers students the opportunities to produce different forms of media. It explores the areas of ethical issues surrounding media production and consumption, copyright and the appropriate use of copyrighted materials, creation and manipulation of digital imaging, effective web design and application of web tools, examination of audio production and creation of auto projects, examination of video production and creation of video projects. Digital production focuses on producing content for an audience.

DIGITAL PROD 120 IEDEM1200

DRAMATIC ARTS 110

Dramatic Arts 110 is an introductory course designed for any student interested in developing skills related to creativity, performance, and production. This course is highly participatory and requires consistent attendance to facilitate the development of collaborative projects and student engagement in new experiences.

DRAMATIC ARTS 110 FETHL1100

DRAMATIC ARTS 120

Dramatic Arts 120 is a course that assumes an enhanced level of theatrical experience. Successful completion of Dramatic Arts 110 is highly encouraged, but not required. In collaboration with their teacher and peers, students are encouraged to direct their learning and decide how to demonstrate the acquisition of skills. Students will collect evidence of learning and expand upon the skills acquired in Dramatic Arts 110.

DRAMATIC ARTS 120 FETHA1200

E

ECONOMICS 120

Economics 120 examines economic theory and practice. Students will analyze fundamental economic concepts including the interaction of supply and demand, the fundamentals of money and banking, producing, and trading. The course will provide students with a basic understanding of our Canadian economic system and will explore the various factors that affect economic decision-making as individuals and as groups.

ECONOMICS 120 HEECA1200

ELECTRICAL WIRING 110

Students will learn about electricity basic, circuit arrangements and connections, wiring methods, and Canadian Electrical Code requirements. This course will allow the participant to develop skills needed to install and maintain electrical systems, a knowledge of specialized tools, and materials. There will be a balance of in-class and lab learning pursuits. Some topics of interest are AC/DC circuits, installing household electrical components, and electrical safety. This course will be of particular interest to students who are considering a career as an electrician, linesman, electrical engineer, electronics engineer, instrumentation technician, or any other career that deals with electricity. There will be a final exit project to cover curriculum outcomes at the end of the course. **Lab fee - \$35.00**

ELEC WIRING 110 WECO1100

ENGLISH LANGUAGE ARTS

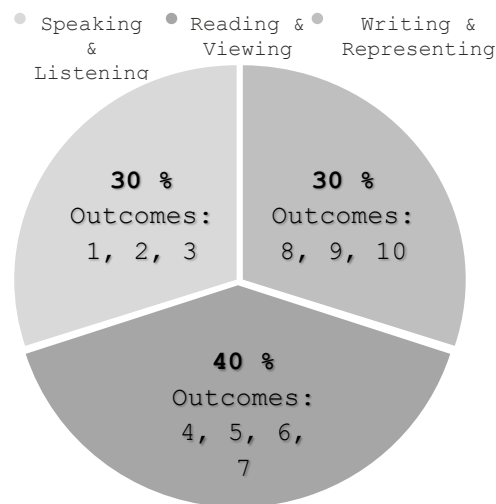
English Language Arts 9, 10, 11 A & B and 12 focus on the continued development of the necessary skills of effective reading/viewing, writing/representing, and speaking/listening.

Evaluation & Reporting – Teachers assist students in developing their capacity to be independent, autonomous, to set individual goals, to monitor their own progress, to determine next steps, and reflect on their thinking and learning. Evaluation will occur once students have had the opportunity to practice skills, to receive feedback, and to use feedback to inform their revisions.

Teachers will obtain assessment information from the triangulation of student evidence, which may include formal and informal observations; discussions; learning conversations; questioning; conferences; homework; tasks done in groups; projects; portfolios; performances; peer and self-assessments; self-reflections; teacher checklists; anecdotal notes; and essays; for example.

Category Weightings – Reporting of grades will be broken down into the following grade categories:

Speaking & Listening 30%	<ul style="list-style-type: none"> • Formative Assessment • Summative Assessment • End of Term Assignments
Reading & Viewing 40%	<ul style="list-style-type: none"> • Formative Assessment • Summative Assessment • End of Term Assignments
Writing & Representing 30%	<ul style="list-style-type: none"> • Formative Assessment • Summative Assessment • End of Term Assignments



Reading and Writing Achievement Standards

English Language Arts assessment is based on the provincial achievement standards. The achievement standards are intended to establish common expectations in reading and writing among Atlantic Canadian educators for students at the end of designated grade levels (entry through grade nine). The standards address the question, **“How well should students be able to read and write independently by the end of each grade level?”** and are based on both the reading and viewing outcomes and the writing and representing outcomes within the 1998 Atlantic Canada English Language Arts Curricula, Entry through Grade Nine. The project directive focuses only on defining reading and writing achievement standards. However, not to be diminished is classroom instruction in the other language arts outcomes (i.e., those outcomes not addressed from the reading and viewing, the writing and representing, and the speaking and listening strands).

The standards provide reasonable end-of-grade expectations for reading and writing through descriptions of two levels of student achievement:

The standard for appropriate achievement describes what a student who meets intended grade-level expectations of the learning outcomes must know and be able to do.	The standard for strong achievement describes what a student who demonstrates a high level of performance in intended grade-level expectations of the learning outcomes must know and be
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Materials – According to provincial standards students are required to explore a variety of genres in their independent reading. The same standards also recommend students engage in independent reading for a minimum of 2 hours a week (15-20 minutes a day) outside of instructional time. During class time these standards recommended 15-20% is spent with independent reading. As a result, students may be required to obtain their own reading material and/or speak to their teacher for recommendations and support.

ENGLISH LANGUAGE ARTS EXTND 10

ELA 10 Extended is an elective one semester course. It is designed to extend a student's English Language Arts learning based on their interests, needs, and strengths.

ENG LANG ARTS 10 EXTND EELAAK0100

ENGLISH LANGUAGE ARTS 111 – Literary Texts

Developed for students wishing to pursue the study of English Language Arts, which is based upon provincial strong achievement standards and the provincial framework for Literary Texts. Significant literacy pieces from the past, as well as those of contemporary and personal interest will be among the print and visual texts students encounter. Students will consistently demonstrate a dedication to skillfully engage with each of the following speaking, listening, reading, viewing, writing, and other ways of representing. **Prerequisite: English 10**

ENG LANG ARTS LIT TXT 111 EELAAB1110

ENGLISH LANGUAGE ARTS 111 – Informational Texts

ENG LANG ARTS INFO TXT 111 EELAC1110

Developed for students wishing to pursue the study of English Language Arts, which is based upon provincial strong achievement standards and the provincial framework for Informational Texts. Significant literacy pieces from the past, as well as those of contemporary and personal interest will be among the print and visual texts students encounter. Students will consistently demonstrate a dedication to skillfully engage with each of the following speaking, listening, reading, viewing, writing, and other ways of representing. **Prerequisite: English 10**

ENGLISH LANGUAGE ARTS 112 - Literary Texts

ENG LANG ARTS LIT TXT 112 EELAB1120

Developed for students wishing to pursue the study of English Language Arts, which is based upon provincial appropriate achievement standards and the provincial framework for Literary Texts. Significant literacy pieces from the past, as well as those of contemporary and personal interest will be among the print and visual texts students encounter. Students will demonstrate a commitment to their goals established for each of the following: speaking, listening, reading, viewing, writing, and other ways of representing. **Prerequisite: English 10**

ENGLISH LANGUAGE ARTS 112 - Informational Texts

ENG LANG ARTS INFO TXT 112 EELAC1120

Developed for students wishing to pursue the study of English Language Arts, which is based upon provincial appropriate achievement standards and the provincial framework for Informational Texts. Significant literacy pieces from the past, as well as those of contemporary and personal interest will be among the print and visual texts students encounter. Students will demonstrate a commitment to their goals established for each of the following: speaking, listening, reading, viewing, writing, and other ways of representing. **Prerequisite: English 10**

ENGLISH LANGUAGE ARTS 113 - Literary Texts

ENG LANG ARTS LIT TXT 113 EELAB1130

Developed for students wishing to pursue the study of English Language Arts, which is based upon provincial appropriate achievement standards and the provincial framework for Literary Texts. This English course provides a variety of experiences with language and texts to develop competencies in speaking, listening, reading, viewing, writing, and other ways of representing. English level 3 courses may differ in terms of pace, scope emphasis and resources from level 2, but all students in all levels work toward meeting the same provincial English Language Arts outcomes. Goals will be established for each of the following: speaking, listening, reading, viewing, writing, and other ways of representing. **Prerequisite: English 10**

ENGLISH LANGUAGE ARTS 113 - Informational Texts

ENG LANG ARTS INFO TXT 113 EELAC1130

Developed for students wishing to pursue the study of English Language Arts, which is based upon provincial appropriate achievement standards and the provincial framework for Informational Texts. This English course provides a variety of experiences with language and texts to develop competencies in speaking, listening, reading, viewing, writing, and other ways of representing. English level 3 courses may differ in terms of pace, scope emphasis and resources from level 2, but all students in all levels work toward meeting the same provincial English Language Arts outcomes. Goals will be established for each of the following: speaking, listening, reading, viewing, writing, and other ways of representing. **Prerequisite: English 10**

ENGLISH LANGUAGE ARTS 121

ENG LANG ARTS 121 EELAB1210

Developed for students wishing to pursue the study of English Language Arts, which is based upon provincial strong achievement standards. Students will skillfully engage in a wide variety of experiences in speaking and listening, reading, and viewing, writing and other ways of representing while concentrating on critical and personal response to Canadian and world literature. Students will demonstrate a commitment to exceeding goals for each of the following: speaking, listening, reading, viewing, writing, and other ways of representing. **Prerequisite: English 11**

ENGLISH LANGUAGE ARTS 122

ENG LANG ARTS 122 EELAB1220

Developed for students wishing to pursue the study of English Language Arts, which is based upon provincial appropriate achievement standards. Students will engage in a wide variety of experiences in speaking and listening, reading, and viewing, writing and other ways of representing while concentrating on critical and personal response to Canadian and world literature. Students will demonstrate a commitment to meeting established goals for each of the following: speaking and listening, reading, and viewing, and writing and representing. **Prerequisite: English 11**

ENGLISH LANGUAGE ARTS 123

ENG LANG ARTS 123 EELAB1230

Developed for students wishing to pursue the study of English Language Arts, which is based upon provincial appropriate achievement standards. This English course provides a variety of experiences with language and texts to develop competencies in speaking, listening, reading, viewing, writing and other ways of representing. English level 3 courses may differ in terms of pace, scope emphasis and resources from level 2, but all students in all levels work toward meeting the same provincial English Language Arts outcomes. Goals will be established for each of the following: speaking, listening, reading, viewing, writing, and other ways of representing. **Prerequisite: English 11**

ENTREPRENEURSHIP 110

ENTREPRENEURSHIP 110 BEBUE1100

Entrepreneurship is about developing a business. Students in Entrepreneurship 110 will be creating a small acreage farm business here at OHS. This course will focus on students creating ideas, skills and recognizing business opportunities. Students will learn about creating a small business via group work, research, videos, guests, and hands-on experiences that will help build a possible future career. This course is dedicated to student-lead investigation where critical thinking, problem solving, and decision-making skills will be developed in the process of examining and analyzing agriculture issues as a business. This is an excellent course for students who wish to continue the study of business and or agriculture/agribusiness. Students will also be required to complete mandatory oral presentations as part of this curriculum.

ENVIRONMENTAL GEOSCIENCE 110

ENV GEOSCIENCE 110 SEENP1100

This course involves students in an examination of the current state of planet Earth. Students will determine how it got to be this way and look at the long-term future of the planet and its passengers. The course is particularly recommended to students interested in the environment, space, geology, and mapping. The course presents an introduction to geographical skills and methods that are basic to further study of this subject. Note: Geography 110 may be counted as a science credit for graduation. Throughout the semester students will be required to master essential areas of curriculum to obtain credit in the course. Extension opportunities will be available to deepen student understanding of the content. **Pre-Requisite: Science 10**

F

FASHION TECH/DESIGN 110

FASHION TECH/DESIGN 110 IEDEK1100

This course is designed to introduce and prepare students for possible careers in the fashion industry. It deals with the history of the Textile Apparel industry, characteristics and construction of fabrics, careers available and the skills required, plus basic construction and product assembly with the use of technology.

FINANCIAL AND WORKPLACE MATHEMATICS 110

FIN & WORK MATH 110 MEPWA1100

This course is the first of two courses in Pathway 1 designed for entry into post-secondary trades and technical programs, or for direct entry into the work force. Concepts of right triangles, trigonometry, and angles of elevation and depression are applied to contextual problems. Scale models and drawings of 2-D and 3-D objects are constructed from various views and perspectives. Students are challenged to solve problems that involve numerical reasoning. Costs and benefits of renting, leasing, and buying are explored, investment portfolios analyzed, and personal budgets developed. Students manipulate and apply formulas in a variety of ways and solve problems using proportional reasoning and unit analysis. **Prerequisite: GMF 10**

FOUNDATIONS OF MATHEMATICS 110

FOUNDATION MATH 110 MEPFA1100

This course is a prerequisite for a second Foundations of Mathematics course in Grade 12, providing a pathway designed for entry into academic programs not requiring pre-calculus. It is also a pre-requisite for Pathway 3 and 4. Students model and solve problems involving systems of linear inequalities in two variables. Characteristics of quadratic functions are explored in depth including vertex, intercepts, domain, and range. Students develop logical reasoning skills and apply this to problems involving angles and triangles, the sine law, and the cosine law. Costs and benefits of renting, leasing, and buying are explored, and investment portfolios are analyzed. **Prerequisite: GMF 10 AND NRF 10**

FOUNDATIONS OF MATHEMATICS 120

FOUNDATION MATH 120 MEPFA1200

This is the second of two courses in Pathway 3 designed for entry into post-secondary academic programs not requiring Pre-Calculus. In statistics, students are introduced to normal curves, and learn to interpret statistical data, using confidence intervals, confidence levels, and margins of error. To develop logical reasoning, students analyze puzzles and games, and solve problems that involve application of set theory and conditional statements. The validity of odds and probability statements are assessed, and problems are solved that involve probability of two events, the fundamental counting principle, permutations, and combinations. The binomial theorem is used to expand powers of a binomial. Data is represented using polynomial functions, exponential and logarithmic functions, and sinusoidal functions to solve problems. **Prerequisite: Foundations of Mathematics 110**

FRAMING AND SHEATHING 110

In this course students will be introduced to the process used in house construction. A combination of classroom learning and hands-on experience in the carpentry laboratory will familiarize students with the tools, materials and techniques used in home construction and renovations.

FRAMING & SHEATH 110 WECOB1100

FI/FSL BIOLOGY 112

FI/FSL Biology 112 is a one semester introductory course which is intended to better acquaint students with, and awaken their interest in, living things. Some topics for study include cell structure and function, biodiversity and classification, digestion, circulatory, respiratory, and excretory system. Class work will include individual assignments, participating in class presentations, laboratory work and various other activities. Students will be required to do a great deal of study, both in class and at home. This course provides a substantial basis for further study in Biology. **There will be a continued insistence on the use of French both as the language of instruction and communication in the classroom.**

FI/FSL BIOLOGY 112 FBIA1120

FI IND FAMILY DYN 120

This course is for students who have completed FI Language Arts 10. The overall aim of FI Family Living 120 is to provide students with the necessary knowledge, skills, and abilities to meet the challenges of our dynamic and complex society. The course focuses on the development of resourcefulness to assist students in viewing the family from various perspectives and to make informed decisions about solutions to existing and emerging difficulties occurring in everyday living. The interrelatedness between family life and work life is addressed as well as the need to understand better daily family issues and their impact on both the family and work environments. This course includes the Parenting Simulation using Real Care Babies. This activity is required, and students will have to have permission slips signed by parents before taking the baby. **Prerequisite: FI Language Arts 10. There will be a continued insistence on the use of French as the language of instruction and communication in the classroom.**

FI IND FAMILY DYN 120 LFIND1200

FI MODERN HISTORY 112

This course is for students who have successfully completed FI Social Studies 10. The purpose is to continue the student's progress through the sequential French Immersion option at the high school level. FI History 112 presents a study of the French Revolution, World War I, World War II, and the Cold War. In addition, it assists students to understand and use several of the skills used in historical research and writing. **There will be a continued insistence on the use of French both as the language of instruction and communication in the classroom.**

FI MOD HISTORY 112 HFHIB1120

FI (E) LANGUAGE ARTS 110

This course is the second in the sequence of French Immersion Language Arts courses in the French Immersion option. Through this course students will continue to expand their facility in oral and written French with the following general objectives:

FI (E) LANGUAGE ARTS 110 SLLAA1100

1. To ensure at the high school level, the maintenance and progression of the linguistic acquisitions of the pupil coming through the middle school French Immersion program and FI Language Arts 10.
2. To continue to emphasize communication in order to foster growth of the language skills: listening, speaking, reading, and writing.
3. To encourage the use of the language as a vehicle allowing pupils to express themselves in a fitting manner suited to their intellectual, social, and emotional growth.
4. To increase the pupil's cultural knowledge and experiences in order to promote an appreciation for the French-speaking population and culture of our country and of other parts of the world.

The course content will include oral expression, composition, and a further study of grammar, literature, and culture. The objectives of the course will be realized through exposure to various texts, novels and short stories, poetry, drama, newspapers, and magazines. **There will be a continued insistence on the use of French both as the language of instruction and communication in the classroom.** This is a **compulsory** course for those students who have elected to follow the French Immersion option at the high school level. Students continuing with the French Immersion option and who have successfully completed this course will select FI Language Arts 120, or FI Tech de Comm 120.

FI LANGUAGE ARTS 120

This course is the final French Immersion Language Arts course in the French Immersion option. Through this course students will continue to expand their facility in oral and written French with the general objectives as stated in the course description for FI Language Arts 110. The content of the course is based on five components: oral expression, composition, grammar, literature, and culture. To realize the stated objectives of the course, there will be continued exposure to various texts, French novels and short stories, poetry, drama, newspapers, and magazines. **There will be a continued insistence on the use of French both as the language of instruction and communication in the classroom.** This is a **compulsory** course for those students who have elected to follow the French Immersion option at the high school level. The New Brunswick Oral Proficiency Interview is a required part of this course. **Prerequisite: FILA 110**

FI LANGUAGE ARTS 120 SLLAC1200

FI/FSL WORLD ISSUES 120

This course is for students who have successfully completed FI Language Arts 10. World Issues 120 examines various issues that are global in nature and that require a global solution. The concept of the global village is studied as is the relationship between nations as players in the global community. Various issues are examined to acknowledge the fact that events in any part of the worlds have a reverberating effect. The future of the global community is also examined. **There will be a continued insistence on the use of French both as the language of instruction and communication in the classroom.**

FI/FSL WORLD ISSUES 120 HFGLB1200

FI PERSONAL INTEREST COURSE 110

For FI students only, FI Personal Interest 1 is a course that provide the opportunity for students to pursue an individual interest or passion. Students will determine the focus of their learning with help from educators and other mentors in the school or local/global community.

FI/FSL PERSONAL INTEREST 1 110 DFMLB1100

FI TECH DE COMM 120

This is a practical course that is designed to increase learner confidence when speaking and interacting through the authentic use of the French language. While it contains elements of reading and viewing (15%), as well as writing (15%), the primary purpose of the course is to promote the development of oral competencies (70%). These skills include oral comprehension (listening), oral production (self-expression), and oral interaction (taking part in conversation).

TECH DE COMM 120 SLLAF1200

G

GRAPHICS ART AND DESIGN 110

This course will help develop an awareness of how graphic design in our daily environment influences us. Fine Arts courses are primarily interested in personal expressions, whereas graphic design is concerned with giving visual expressions to someone else's concepts and requirements. The course will give the student the opportunity to produce graphic (visual) work for real clients whenever possible. Students will use their creative skills to communicate original ideas that are adapted to the needs of their clients. The relationship between art and technology is greatest in graphic art and design. The modern medium of computer is essential for it is widely used for its design programs in the graphic design industry. Please note that this is not a computer course. The primary focus is on the drawing and design skills of the student. The computer is just one of many tools that will be used. It is an art course that requires experience, confidence, and a strong interest in Art. **Students should have successfully completed Grade 9/10 Visual Art block and/or have a special interest in the arts, specifically Graphic Art and Design. Fee - \$10.00**

GRAPH ART & DSGN 110 FEDEA1100

GROWTH, GOALS, AND GRIT 120

Research has identified key factors that impact student success. These challenges are not specific to any one subject area but affect all learning opportunities and life demands. Reading and communication skills as well as self-regulation strategies impact success in school and life. Goals, Growth, and Grit: Skills for Success 120 is an elective course for students who intend to continue formal education in a post-secondary institution and for whom explicit and direct instruction with these key skills and strategies will build capacity to realize potential. Goals, Growth, and Grit will provide students with skills in three main areas – positive and productive mindsets and behaviors, organizational patterns, as well as functional and critical literacy. Within the broad learning expectations of the course, specific success skills, strategies, and practices will be explored. Students will be supported to apply and transfer these skills, strategies, and practices to other courses and real-life situations. Students will learn how these support postgraduate pursuits.

GROWTH, GOALS, AND GRIT 120 EELAV1200

H

HUMAN PHYSIOLOGY 110

The goal of this course is to build an understanding of the physiology of the human body as a complex dynamic organism that is self-contained but impacted by and responsive to the outside world. Students will build their scientific literacy skills as they focus on the biology and healthy functioning of all major human body systems and how wellness can be compromised by struggles with mental and social health, lifestyle choices, and disease. **Prerequisite: GMF 10, Science 10**

HUMAN PHYSIOLOGY 110 SEBII1102



INDIGENOUS STUDIES 120

The objective of this course is to provide a clear understanding of First Nation Culture, History and Traditions in the past, present and hope for the future. The student will have a greater awareness of First Nation way of life as well as their inherent relationship with the environment. The units that will be offered are the Significance of Legends, the Value of Traditional Teachings, and the importance of Governance and Spirituality. This elective course is open to all grade 11 and 12 students who are serious in developing a deeper understanding of First Nation Culture and Traditions.

INDIGENOUS STUDIES 120 HEFNA1200

INDIVIDUAL FAMILY DYNAMICS 120

In this course, students will study growth as an individual and as a family member. This course may include the Parenting Simulation using Real Care Babies. Lessons are often done in a seminar setting where there is sharing of ideas and research. Videos and speakers from community service organizations are accessed whenever possible. Marks are based on class work, projects, tests, and a final exam.

IND FAMILY DYN 120 LEIND1200

INTERNAL COMBUSTION ENGINES 110

This is a course designed to develop proficiency in the repair, overhaul, and service and testing of the internal combustion engine and other automotive components. The theory of operation of the engine and its components is emphasized along with the development of manipulative skills and work habits. This course should be of interest to students who wish to enter or learn about the opportunities and requirements of the motor vehicle service industry and students with a general interest in mechanics.

INT COMB ENGINES 110 WEAUB1100

INTRO TO ACCOUNTING 120

This one-semester accounting course introduces the student to procedures, concepts, and applications to include: accounting as a career, the accounting cycle, subsidiary ledgers, accounting proofs and controls, synoptic journals, the five-journal system, payroll, adjustments and closing entries, analysis of statements and case studies. The course is designed to ready students to study business at post-secondary institutions or to gain an understanding of business finances as future entrepreneurs.

INTRO TO ACCOUNTING 120 BEBUA1200

INTRO TO ELECTRONICS 110

This course introduces electronic components such as diodes, transistors, integrated circuits, inductors, and capacitors along with basic electronic circuitry. Introductory electronics is application-based using the components and circuitry in such applications as rectification, filtering, and amplification. Computer assisted instruction and computer simulation of electrical circuits are an integral part of this course. Introductory Electronics will be of interest to students with a career objective in the electrical occupational area as well as those who plan to continue their education at the technical or engineering level.

Intro Electronics 110 IETEF1100

INTRO TO ENVIRONMENTAL SCIENCE 120

The objective of this course is for students to develop the knowledge base skills for investigating and analyzing environmental issues and for communicating their knowledge and analysis to others. Students will be able to outline the ecological processes inherent in natural ecosystems and how these can be impacted by human activity. Identify the impact of personal behaviors on the environment, and recognize that caring for and sustaining natural environments is an element of responsible global citizenship, demonstrate an understanding of the importance of sustainable development, considering environmental, social, cultural, and economic aspects, to effectively resolve issues, analyze and propose solutions to current environmental issues through research, experimentation and a presentation of their findings with respect to the issue.

INTRO ENV SC 120 SEEND1200

INTRO TO WOLASTOQEQY 110

In the Introductory Wolastoqey Latuwewakon 110 course you will begin an adventure in communication. By the time you successfully complete this course, you will have the basic skills and vocabulary to begin speaking a language that has been spoken throughout the areas of southern and western New Brunswick, Eastern Maine and north through Quebec to the St. Lawrence River for many centuries. When you successfully complete this course, you will be able to recognize common words and phrases when you hear them spoken clearly, speak familiar words and basic phrases to describe yourself, people you know and your surroundings, understand familiar names words and simple sentences when you see them written, and write short, simple messages.

INTRO TO WOLASTOQEQY 110 OLWOD0102

J

JOURNALISM 120

Journalism 120 will develop student expertise in concise and accurate writing. It offers opportunities to practice critical thinking, writing, and representing skills in a variety of real-world situations. The course emphasizes the role of a journalist to bear witness, to document, and to provide a narrative of the daily life of a society and the world. Students will develop a deeper understanding of the importance of well-informed literate citizens to maintain a democratic society. They will think critically, work cooperatively and collaboratively, discuss, and deconstruct relevant issues, research, write persuasively and understand news values.

JOURNALISM 120 EELAE1200

L

LAW 120

This elective course provides the student with a basic knowledge of the Canadian legal system, its operation, and an awareness of the impact of law on one's life. Major topics of the course include legal systems, civil and criminal law, human rights, property law and labour law.

LAW 120 HELAA1200

M

MEDIA STUDIES 120

Media Studies 120 offers students opportunities to experience and respond to many forms of media. It explores the impact and influence of mass media and popular culture by examining texts such as films and television shows, songs and advertisements, sports and games, packaging and clothing, online and offline information sources, blogs, and social networking sites. By coming to understand how media texts are constructed and why they are produced, students will develop the skills needed to respond to these texts intelligently and responsibly when they encounter them. The organized study of the mass media increases students' critical judgement, their awareness of the global village and its values, and their place in society. It promotes open-mindedness, effective communication, and organizational skills through repeated opportunities to view, listen, speak, read, write, create, and represent.

MEDIA STUDIES 120 EELAF1200

MILL & CABINET WORK 120

This course is designed to provide students the knowledge and skills required to build cabinets and various woodwork projects. Emphasis is placed on using and maintaining woodworking tools and machines. It should appeal to students interested in carpentry and various wood working projects. There is no prerequisite for this course, and it is available for all Grade 11 and 12 students. Preference will be given to Grade 12 students. **Lab fee \$35.00**

MILL & CABIN WK 120 WECOD1200

MODERN HISTORY 112

This course provides the opportunity for students to engage with citizenship concepts crucial to the functioning of a democracy and explore how they have appeared over time. Students will use historical thinking concepts to inquire about and investigate major events in Western history that have shaped how the world functions today. Topics will include the French Revolution, Industrialization, WWI and WWII, the Holocaust, and post WWII era. This content will be used to practice the skills to support the historical thinking concepts with a focus on making connections to present day events and issues. **Prerequisite: Civics 10.**

MODERN HISTORY 112 HEHIB1120

MODERN HISTORY 113

Modern History 113 is designed to provide an understanding of the main events of the twentieth century, as well as some familiarity with a few of the basic skills used to interpret historical accounts. A survey approach is given to the following topics: Basic World Geography, French Revolution, Industrialization, Life in the 1920's and 1930's, World War I, World War II, Cold War and United Nations. **Prerequisite: Civics 10.**

MODERN HISTORY 113 HEHIB1130

MUSIC 10

Music 10 is a course that consists of skills and knowledge of what students should know and be able to do on completing their studies in music. They are organized under three strands 1) creating, making, and presenting 2) understanding and connecting contexts of time, place, and community, and 3) perceiving, reflecting, and responding. These three strands promote and support a balanced, comprehensive, and developmental music program.

MUSIC 10 FEMUD0100

MUSIC 120 (World Music)

Music 120 has been designed to encourage research, presentations, discussions, and musical learnings in and about a variety of different world music. The outcomes and activities of the course focus on the need for students to explore music and its meaning in cultures, from our culture, and different cultures all around the world. Individual and group performances will be a large part of your grade, as well as presentations demonstrating an understanding of the purposes of music and its relationship to other art forms from different cultures, including their own. There is a requirement that students be proficient in their instrument and be willing to work as part of a larger group.

MUSIC 120 FEMUD1200

N

NBCC SKILLED TRADES AND WORK READY MATH 120

This course is the final course offered in Pathway 1 in the Graduation Pathways for Mathematics and follows Finance and Workplace Mathematics 110. **This is a dual credit course.** Successful students looking to acquire a post-secondary credit at a NBCC campus can complete a recognition of prior learning form at NBCC and may be awarded Math Foundations 1208 upon beginning their program of study. Topics of study include whole numbers, decimal number, fractions, ratios, proportions, measurement, and geometry. The focus of the course is to apply mathematics to a variety of trades-based applications and hand-on learning opportunities will be provided.

NBCC SK TRD WRK READY MATH 120 MEFMM0101

NUMBER, RELATIONS, AND FUNCTIONS 10

This is the beginning course for the graduation pathways for Mathematics 2, 3, and 4. It is designed to prepare students for Foundations 110 or Financial and Workplace 110. This is an algebra-based course. Students will create factor trees to find prime and common factors of various numbers. Students will demonstrate an understanding of the properties and laws of square and cube roots. The study of irrational numbers is continued. Students will solve problems involving the properties of exponents including integral and rational exponents. Students will solve problems involving polynomial expressions with a large focus on trinomial factoring. The study of linear relations and functions is continued with a focus on the slope formula, distance formula, and midpoint formula.

NRF 10 MEFMM0100

NUTRITION FOR HEALTHY LIVING 120

Through research, the science of nutrition continues to expand. It is important to understand information provided and to make smart, healthy decisions. Nutrition for Healthy Living 120 is designed to make students aware of preventative strategies to contribute to overall wellness, make healthy food choices and maintain a balance between eating habits and physical activity. Current issues relating to chronic diseases, lifestyles and food technologies will also be discussed. Students will be encouraged to use reliable information to examine their eating habits and lifestyles choices. This is an excellent course for those concerned with personal wellness or for students who wish to pursue a career in science and nutrition or health-related fields. **Prerequisite: Science 10**

NUTR HLTH LIVING 120 PEHEI1200

O

OCEANOGRAPHY 120 (LOCAL OPTION)

Oceanography 120 is a comprehensive course that focuses on the scientific study of the ocean. Students will explore the biological, physical, and environmental aspects of marine science in a real-world context. Course content includes: an introduction to marine science, the physical environment of the ocean, marine biology and habitat, coastal zones, ocean industries and resources, and marine hazards and pollution. Throughout the semester students will be required to master essential areas of curriculum to obtain credit in this course. Extension opportunities will be available to deepen student understanding of the content. Students will be required to put in a great deal of work and study both in class and at home to master the essential requirements of this course. Hands-on activities and laboratory activities will complement the content of each unit study. **Recommended background: Biology 112 or 111**

OCEANOGRAPHY 120 SEENH1204

OUTDOOR EDUCATION 110

The course will develop personal outdoor recreation skills based on environmental ethics. Students must satisfy the required series of out-trips that may be daytrips, overnight excursions, or extended trips. The course may include but is not limited to camping, hiking, kayaking, climbing and other outdoor adventure activities. **Students will be expected to pay an equal share of any costs associated with class activities. Students who miss more than one major activity will not successfully complete the course. Fee - \$110.00**

OUTDOOR EDUCATION 110 PEHEB1100

P

PERSONAL INTEREST COURSE 1

This course is designed to promote learner agency and support personalized learning. Students selecting this course are provided with the time and opportunity to develop and pursue personal interests. Students will be required to design the program of study in conjunction with their teacher(s), and/or other mentors in the school or community. Project examples could include: A Capstone Project (local or community action), an in-depth study in a specific problem, the study of and support to the Calls to Action in the Truth and Reconciliation Recommendations, development of a relevant skill set or methodology such as project management, time to pursue a life skill such as financial literacy or an additional language, or to perfect a particular gift or talent that increases personal well-being. Resources for this course will be accessed through the school, the community or through grants and accessing these resources will be part of the learning process. Students will need a high degree of independence and there is an application process for those interested. Applications must be picked up at the main office and turned in no later than March 26, 2021. Class size limitations for this course may impact the number of applicants selected.

PERSONAL INTEREST COURSE 1 DEMLB1100

PHOTOGRAPHY 120 (LOCAL OPTION)

This course is intended for any student with an interest in photography, not just those who plan to make photography their career. Photographic skills are an asset to a variety of careers. Digital photography will be the focus of this course. The course will cover 3 main topics: Cultural importance of photography, Science and Technology of Photography, and Communication with Photographic Images. Students will research topics, critique, and compose photos, and construct a portfolio of images. We will look at portrait, landscape, nature, sport, corporate, and abstract photography. Students will also learn how to process and fix photographs using various photo editing software. **Prerequisite: Students must have access to a digital camera and have an interest in photography. It is recommended that students have been successful in Visual Arts 10.**

PHOTOGRAPHY 120 FEVIF1204

PHYSICAL EDUCATION 10

Physical Education 10 has both practical and theory components. Students alternate between the classroom and the gym to cover both parts of the course. The curriculum outcomes described below identify the skills, knowledge, and attitudes expected of students upon completion of their studies in physical education.

PHYSICAL EDUCATION 10 PEPEA0100

PHYSICAL EDUCATION LEADERSHIP 120

This course is an elective course (students must submit an application form) intended for students who wish to develop leadership skills. It is hoped that the leadership opportunities experienced in this course will develop an awareness of the need for dynamic, professional, and affective volunteer leadership within the community. The course will deal with the theoretical and practical aspects of leadership, characteristics and qualities of leaders, coaching, fitness, officiating, first aid, teaching, professional presentations, and evaluation. The "hands-on" component of the course will involve field trips, guest speakers, peer teaching, first aid certification and coaching certification. All students must complete 30 hours of community volunteer services (opportunities provided in class) to be successful in this course.

PE LEADERSHIP 120 PEPEF1200

PHYSICS 112

This course is the first of two sequential Physics courses. Successful completion of Physics 112, as well as giving a science credit for high school graduation, provides valuable background for those university-bound students interested in such fields as engineering, physics, oceanography, meteorology, astronautics, any of the physical sciences, or any program for which Physics is a prerequisite. UNB may require students entering Science, Engineering, and Forestry to have credits in Physics 112 and 122. NB Community College may require credits in Physics 112 and 122 for entrance to some technology courses. The topics covered are measurement, motion, forces, wave motion, sound, light, work, and energy. Students will have several laboratory sessions on these topics. In order to earn a Level 1 credit in Physics, students will be required to cover all essential and extension outcomes of 112 as well as additional requirements, such as independent research, presentation, and peer tutoring when possible. **Prerequisite: GMF 10, Science 10, and NRF 10 is recommended. Prerequisite or Co-requisite: Foundations of Mathematics 110**

PHYSICS 112 SEPHA1120

PHYSICS 122

This course is the second of two sequential Physics courses and is designed for students who have successfully completed Physics 112 or equivalent. Topics covered are vectors, circular motion, projectile motion, momentum, mechanics, universal gravitation, and fields. Students will have several laboratory sessions on these topics. UNB may require students entering Science, Engineering, and Forestry to have credits in Physics 112 and 122. NB Community College may also require credits in Physics 112 and 122 for entrance to some technology courses. In order to earn a Level 1 credit in Physics, students will be required to cover all essential and extension outcomes of 122 as well as additional requirements, such as independent research, presentation, and peer tutoring when possible. **Prerequisite: Physics 111 or 112 AND Foundations of Mathematics 110**

PHYSICS 122 SEPHA1220

POLITICAL SCIENCE 120

Political Science 120 is an introductory political science course designed to develop an understanding of various political ideologies and systems, as well as the ability to assess the merits of each and to make comparisons. Canadian municipal, provincial, and federal governments will be examined, as will various international bodies, especially the United States. This course is particularly useful for students planning university study in the Humanities.

POLITICAL SCIENCE120 HEPOA1200

POST INTENSIVE FRENCH 110

This course continues the sequence of Post Intensive French courses. This course extends the range of language skills, structures, and concepts for effective communication in French in a variety of situations. It is designed for students who have successfully completed Post Intensive French 10. Post-Intensive French is a literacy-based, non-immersion program for students choosing to continue to learn French as a second language. Themes at this level include mysteries, injustices, and the power of photography. **Note also that if a student achieves a level of intermediate at the end of grade 10, he or she may select to enroll in French immersion courses (including online options) in addition to or in place of Post-Intensive French courses in grades 11 and 12.* **Prerequisite: Post Intensive French 10**

POST INT FRENCH 110 SLPOA1100

POST INTENSIVE FRENCH 120

This is the final course in the program of Post Intensive Language courses. This course deepens and sharpens the language skills, structures and concepts for effective communication acquired in Post Intensive French 110. Post-Intensive French is a literacy-based, non-immersion program for students choosing to continue to learn French as a second language. Themes at this level include looking to the future, ecological challenges, similarities and differences and careers. **Note also that if a student achieves a level of intermediate at the end of grade 10, he or she may select to enroll in French immersion courses (including online options) in addition to or in place of Post-Intensive French courses in grades 11 and 12.* The New Brunswick Oral Proficiency Interview is a required part of this course. **Prerequisite: Post Intensive French 110**

POST INT FRENCH 120 SLCOA1220

POWER TRAIN & CHASSIS 110

This course is designed to develop proficiency in the service and maintenance of the vehicle chassis and power train. Emphasis is placed on the function, repair and replacement of components and includes spring and shock assemblies, brakes, steering, wheel bearings, tires, transmissions, differentials, and drivelines.

PWR TRAIN & CHAS 110 WEAUC1100

PRE-CALCULUS 110

This course in Pathway 4, followed by later courses in Pre-Calculus and Calculus, is designed for entry into post-secondary programs requiring Pre-Calculus. Students demonstrate an understanding of absolute value of real numbers, and solve problems that involve radicals, radical expressions, and radical equations. Students determine equivalent forms, simplify rational expressions, and solve problems that involve rational equations. They develop an understanding of angles in standard position (0 degrees to 360 degrees) and solve problems for these angles using the three primary trigonometric ratios. Polynomial expressions are factored, and absolute value functions and quadratic functions are analyzed and graphed. Students solve problems that involve quadratic equations and solve, algebraically and graphically, problems that involve systems of linear-quadratic and quadratic-quadratic equations in two variables, and quadratic inequalities in one variable. **Prerequisite: GMF 10 AND NRF 10 AND Foundations of Mathematics 110**

PRE-CALCULUS 110 MEPCA1100

PRE-CALCULUS A 120

This course in Pathway 4 follows Pre-Calculus 110 and precedes Pre-Calculus B 120. Students demonstrate and apply an understanding of the effects of horizontal and vertical translations, horizontal and vertical stretches, and reflections on graphs of functions and their related equations. They are introduced to inverses of functions, logarithms, and the product, quotient and power laws of logarithms and use these laws and the relationship between logarithmic and exponential functions to solve problems. Students are introduced to angles in standard position, expressed in degrees and radians, and to the unit circle. The six trigonometric ratios and the sine, cosine and tangent functions are used to solve problems. First- and second-degree trigonometric equations are solved algebraically and graphically with the domain expressed in degrees and radians. Trigonometric identities are proven using reciprocal, quotient, Pythagorean, sum or difference, and double-angle identities.

PRE-CALCULUS A 120 MEPCB1200

PRE-CALCULUS B 120

This course in Pathway 4 follows **Pre-Calculus A 120** and precedes **Calculus 120**. Students analyze arithmetic and geometric sequences and series to solve problems. They are introduced to concepts of probability including permutations, combinations, and binomial expansion. They learn to factor polynomials of degree greater than 2, and to graph and analyze polynomial functions. They also graph and analyze radical, reciprocal, and rational functions, building a function toolkit. Students are introduced to the concept of limits and determine the limit of a function at a point both graphically and analytically. They explore and analyze left- and right-hand limits as x approaches a certain value using correct notation, analyze the continuity of a function and explore limits which involve infinity.

PRE-CALCULUS B 120 MEPCC1200

PSYCHOLOGY 110

This course is an introduction to psychology. Students will begin to explore psychology as a social science that seeks to answer questions about us all – how we think, feel and act. Students will learn to think critically as they explore human nature in depth. Topics include intelligence, nervous system, the brain, sleep and dreams, hypnosis, nature vs nature, personality, psychological disorders, research strategies. Regular attendance and participation in class discussions is very important in this course. The final assessment for the course will be an exit project which will allow students to conduct a research experiment or survey on a topic of their choice.

PSYCHOLOGY 110 HESOA1104

PSYCHOLOGY 120

This course is a continuation of Psychology 110. Students will continue to explore psychology as a science that seeks to answer many of the questions about human behavior – why we think, feel, and act the way we do. Topics include social relations, information processing, forgetting and memory construction, motivation and emotion, effects of stress, treatments for psychological disorders, classical and operant conditioning, and observation learning. Regular attendance and participation in class discussions is very important in this course. The final assessment for the course will be an exit project which will allow students to conduct a research experiment or survey on a topic of their choice. **Prerequisite: Psychology 110.**

PSYCHOLOGY 120 HESOA1200

R

RESIDENTIAL FINISH AND INSULATION 120

This course is designed to provide the instruction and practical experience necessary for the completion of the exterior and interior of houses. Included in this course are the use of tools and techniques required to install roofing, siding (vinyl and wood), exterior trim, doors, windows, insulation, drywall, and interior trim. This course would appeal to students interested in carpentry. Good attendance is mandatory in this course.

RESIDENTIAL FINISH 120 WECOE1200

ROBOTICS AND TECHNOLOGY 120

This practical course deals with the basics of automation and robotics. Students will learn the theory behind the control of automated systems by designing and constructing automated systems in a lab situation. From very simple manual systems, students will advance to using computers to design and control more complex systems. Students will be extensively involved in the construction and programming of Lego Mindstorm Robots. The software and equipment used in the Robotics and Technology course are used in industrial and commercial applications around the world. Robotics and Technology 120 is open to all students. This course would be especially useful to students considering Community College technologies, or university programs in Science, Engineering or Forestry. Robotics and Technology 120 will also directly benefit people considering employment in the following areas: the pulp and paper industry, lumber processing, manufacturing, and packaging, alarm and control systems, and the electrical and electronics fields. Robotics and Technology 120 is an approved course in the Science & Technology cluster on the course selection form. Students will be expected to design and build a basic automated system that will perform an assigned task.

ROBOTICS & TECH 120 IETEJ1200

S

SCIENCE 10

Science 10 is a course that focuses on the nature of science and learning and living Sustainably. The nature of science involves students understanding the world through careful, systematic inquiry. Students discover that scientific knowledge produced through this process is both durable and subjected to change. Learning and Living Sustainably encompasses the students understanding that science affects and is affected by society. This is the recommended course option for students who plan to continue in Chemistry, Physics or Electronics.

SCIENCE 10 SEGEA0100

SOCIAL EMOTIONAL LEARNING STRATEGIES 120 (LOCAL OPTION)

SELS 120 LEWED1204

Social Emotional Learning Strategies (SELS) focuses on student success in school, work, and life. SELS involves the processes of developing competencies including self-awareness, self-management, social awareness, relationship skills, and responsible decision making. This course is meant to enhance cross-curricular success and provide skills to be integrated both in and outside the academic institution or work environment.

SOCIOLOGY 120

SOCIOLOGY 120 HESOB1202

This course is designed to increase awareness of how humans develop as social beings and examines society's institutions in terms of the values and attitudes that enter group action. The course will provide background for the study of contemporary rapid social change as well as the cultural origins of existing social patterns. Areas of study will include the social problems presently confronting Canadian society such as crime, race and ethnic relations, urbanization, poverty, gender, and societal constructs. **Prerequisite: Modern History 112 or 113**

SPANISH 110

SPANISH 110 OLSPA1100

The primary objective of this introductory course is to develop the ability to communicate in the Spanish language. Students taking this course will experience continual practice in communicating and will become familiar with common Hispanic customs and traditions.

T

TUNE-UP AND EMISSIONS 120

TUNE-UP & EMISS 120 WEAUD1200

In today's automotive industry, the technician needs to start with computer-based testing and diagnostics before even picking up the first wrench. Today's cars are a series of complex computing systems. Although these systems are very different from using Microsoft Office, the tech's ability to understand basic computer functionality and technology enhances their ability to do their job better. This Course is designed to give students a practical approach to diagnosing and servicing automotive fuel and emissions and other computer related systems. **Prerequisite: Internal Combustion Engines 110**

V

VISUAL ARTS 10

VISUAL ARTS 10 FEVID0100

Visual Arts 10 is a course that provides students with a means to acquire a developmentally appropriate comprehensive art education through the three strands of General Curriculum Outcomes. The first strand is Creating/Making and Presenting. The second strand is Understanding and Connecting Contexts of Time, Place, and Community. The third strand is Perceiving, Reflecting, and Responding. **Fee - \$10.00**

VISUAL ARTS 110

VISUAL ARTS 110 FEVID1100

The visual experiences and technical processes in this course are organized in themes. These themes are designed to stimulate the imagination, encourage interpretation, expression, and development of personal imagery. Each unit of study will include art theory, art of different cultures and time periods, studio applications and experimentation in one of the following: Drawing, Painting, Printmaking and Sculpture, sketchbook assignments and critiques. At this level, the student is given opportunities to work independently and to explore, in greater depth, materials and concepts touched on in Visual Arts 10. There is a research presentation and an exit project requirement. Students are required to supply a sketchbook, art kit, and a portfolio. Students should have experience and/or interest in the Arts. A background in Visual Arts 10 is recommended. **Fee - \$10.00**

VISUAL ARTS 120

VISUAL ARTS 120 FEVID1200

Visual Arts 120 is designed for the student who has shown an intense interest in Art and who may be considering further education or a career in Art or an Art related field. The Grade 12 program focuses on 20th century Art and artists, and portfolio building. There is a major research presentation at mid-term and a final exhibition at the end of term. Students are required to supply sketchbooks, art kit and portfolio. **Prerequisite: Visual Arts 110 (or equivalent experience). Fee - \$10.00**

W

WELDING/METALS FABRICATION 110

This course is concerned with the processes used in industry to safely cut, form, and fasten metal. Emphasis is placed on the development of basic skills needed to use electric-arc and oxy-acetylene welding and cutting processes including the preparation of material for welding. Machines and processes used to lay out, cut, and form sheet metal are also introduced. It should appeal to students interested in entering occupations in metalworking, mechanical service, and primary resource industries. A suitable take-home project will be constructed during this course. Students studying auto mechanics should elect Metals Fabrication 110. **Lab fee \$35.00**

WELDING/METALS FAB 110 WEMEA1100

WELLNESS THROUGH PHYSICAL EDUCATION 110

The goal of the Wellness through Physical Education 110 curriculum is to promote healthy active living for life. Students will experience a variety of wellness activities and are expected to create and implement a personal healthy active living plan. The course is intended to allow a broad-based exploration of various dimensions of wellness and encourage a healthy, balanced lifestyle. **Prerequisite: Successful completion of Grade 9/10 Physical Education and Health.**

WELLNESS PHYS ED 110 PEHEA1100

WOMEN, MEDIA, AND CULTURE 120 (LOCAL OPTION)

WMC 120 aims to introduce students to critical literacy practices by examining cultural constructions (in particular, media representations) that shape and inform identities. The course engages students in reflective thinking about how they have been taught to “read the word and read the world” (Friere, 1970). Students participate in class discussions and activities that focus on representations of race, gender, class, sexuality, ability, language, and other identity categories found in past and present media sources. The overall goal of the course is to encourage critical thinking, critical questioning, and critical action to construct a more socially just and democratic world. Units of Study: Introduction to Critical Discourse; Personal Relationships; Stereotypes; Gender Issues; Role of Media in Socialization Process.

WOMEN & CULTURE 120 HESOC1204

WORLD ISSUES 120

World Issues 120 examines various issues that are global in nature and that require a global solution. The concept of the global village is studied as is the relationship between nations as players in the global community. Various issues are examined to acknowledge the fact that events in any part of the world can have a profound effect on Canada. The future of Canada within the global community is also examined. **Pre-requisite: Modern History 113, 112, 111, or FI Modern History**

WORLD ISSUES 120 HEGLB1200

WRITING 110

Writing 110 is an elective course designed for students who may need extra practice developing competence in composing skills and for those students who want to further their existing proficient writing skills to prepare them for higher level English courses and for university and community college. There is an emphasis in this course for students to further develop their creative writing skills. This course includes an exit project.

WRITING 110 EELAG1100

OHS Course Selection – Grade 10

Languages & Literacies

Required: ___ ELA Foundations 10	Choose one (1): ___ ELA Extended 10 ___ Writing 110 ___ Intro to Wolastoqey 110
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Mathematics

Required: ___ Geometry, Measurement, and Finance 10 ___ (FI) Geometry, Measurement, and Finance 10	Choose one (1): ___ Numbers, Relations, and Functions 10 ___ (FI) Numbers, Relations, and Functions 10 OR ___ Financial & Workplace Math 110
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Science

Choose one (1): ___ Science for Sustainable Societies 10 OR ___ (FI) Science for Sustainable Societies 10 ___ Human Physiology 110 ___ Agriculture 110 ___ Environmental Geoscience 110	
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Humanities

Required: ___ Civics 10 OR ___ (FI) Civics 10

Second Languages

Choose one (1): ___ Post Intensive French (PIF) 10 ___ FI Language Arts (FILA) 10 ___ Wolastoqey 10 (First Nations Students Only)
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Career Connected

Required: ___ Personal Development and Career Planning (PDCP) 10

Personal Wellbeing, Career Connected, & Creative Arts

Choose two (2):		
___ Phys Ed 10	___ Computer Science 110	___ Visual Arts 10
___ Wellness 110	___ Fashion Tech 110	___ Music 10
___ Psychology 110	___ Culinary Tech 110	___ Dramatic Arts 110
___ Intro to Applied Tech 110	___ Entrepreneurship 110	___ (FI) Family Dynamics 120

Alternate Choices for Personal Wellbeing, Career Connected, & Creative Arts

1. _____
2. _____

OHS Course Planning – Grade 11 & 12

18 credits needed for graduation; minimum of 5 credits at the grade 12 level; 1 class = 1 credit

Grade 11	Grade 12
___ ELA Info Text 111/112/113	___ ELA 121/122/123
___ ELA Lit Text 111/112/113	Elective ___ _____
Math Pathway (choose one) ___ Fin & Workplace Math 110 & ___ NBCC Skilled Trade 120 ___ Foundations 110	Elective ___ _____
Humanities Credit (choose one) ___ Mod History 112/113 or ___ (FI) Mod History 112 ___ Indigenous Studies 120 ___ Canadian History 122 ___ World Issues 120 or ___ (FI) World Issues 120	Elective ___ _____
Science Credit ___ _____	Elective ___ _____
Fine Arts/Life Role <u>or</u> Skilled Trades Credit ___ _____	Elective ___ _____
Elective ___ _____	Elective ___ _____
Elective ___ _____	Elective ___ _____
Elective ___ _____	Elective ___ _____
Elective ___ _____	Elective ___ _____
Alternate Choices:	Alternate Choices:
Alternate 1. _____ 2. _____	Alternate 1. _____ 2. _____