

# Course Calendar 2019-2020

(2018 Program)



**CALEDONIA**



## COURSE SELECTION

This booklet contains information regarding course selection at Caledonia Secondary School.

To graduate on the 2018 Graduation Program, students must earn at least 80 **credits**—the equivalent of 20 courses. Each course is worth 4 credits. To confirm the credits you already have and the credits you still need in order to graduate, see your assigned Counsellor.

Most students complete their grad requirements in three **years**. Some students can finish in 2½ years; some take an extra semester or year. Some students obtain permission to return to Caledonia after graduating in order to pick up additional courses or upgrade certain marks.

If you have an idea of what you want to do after you graduate, you are advised to check on the secondary school courses expected or recommended as **pre-requisites**. Otherwise, you are encouraged to **“keep the doors open”**—to take the hardest courses in which you can succeed and to take a variety of courses. Keep in mind that it’s one thing to graduate from secondary school and it’s another to have what you need to enter a post-secondary program at a college or university.

We expect each student to take **full load** of eight courses within the school year. Some courses involve a separate application; students may see their Counsellors for more information. You may take additional Caledonia courses outside the regular school day; those additional courses are sometimes referred to as “ninth block” courses.

Please give **thought** to your course request. Keep a copy of the list of courses you request, including changes to make to your request. The requests from all our students determine which courses actually end up running. Your Counsellor will stay in touch with you if courses you have requested end up being cut and you need to provide additional alternates.

When you receive your schedule from the School in late August, you may wish to work with your Counsellor to **balance** your harder and easier courses over the two semesters as much as classroom space and the timetable allow.

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## GRADUATION REQUIREMENTS

To graduate on the 2018 Graduation Program, students must earn at least 80 credits—the equivalent of 20 courses. Each course is worth 4 credits.

52 credits of core courses	13 courses
12 credits of Grade 12 elective courses	3 courses
16 credits of Grade 10, 11, or 12 elective courses	4 courses

To graduate, students must also write the Literacy Assessment and the Numeracy Assessment.

### CORE COURSES

- an Arts Education and/or Applied Design, Skills, and Technologies 10, 11, or 12 course
- Career Life Connections & Capstone
- Career Life Education 11
- an English Language Arts 10 course
- an English Language Arts 11 course
- an English Language Arts 12 course
- a Mathematics 10 course
- a Mathematics 11 or 12 course
- Physical Education 10
- Science 10
- a Science 11 or 12 course
- Social Studies 10
- a Social Studies 11 or 12 course

### ELECTIVE COURSES

- 3 x Grade 12 courses
- 4 x Grade 10, 11, or 12 courses

### ASSESSMENTS

- Literacy Assessment
- Numeracy Assessment

## GRADUATION PLAN OVERVIEW

A full course-load in one school year is 8 courses. Students completing a full load of courses over three years will have credit for 24 courses (4 more than the minimum required).

Students may include learning assistance blocks in their timetable, therefore earning credit for fewer than 8 courses in a year.

Students who complete courses outside the regular day may earn credit for more than 8 courses in a year.

Here is a typical overview:

### **GRADE TEN**

- 1 Apprenticeship & Workplace Math 10  
OR Foundation of Math & Pre-Calculus 10
- 2 an Arts Education and/or Applied Design, Skills, & Technologies 10 course
- 3 Career Life Education 11
- 4 English 10 OR English First Peoples 10
- 5 Physical & Health Education 10
- 6 Science 10
- 7 Social Studies 10 OR *Sciences humaines* 10 (French Immersion)
- 8 Grade 10 Elective

### **GRADE ELEVEN**

- 1 Workplace Mathematics 11 OR Foundations of Math 11  
OR Pre-Calculus 11
- 2 BC First Peoples 12 OR Comparative Cultures 12  
OR *Sciences humaines* 11 (French Immersion) OR Social Justice 12  
OR 20<sup>th</sup> Century World History 12
- 3 Life Sciences 11 OR Chemistry 11 OR Earth Science 11 OR Physics 11  
OR Environmental Science 11
- 4 Literary Studies 11 OR EFP Literary Studies & Writing 11 OR Communications 11
- 5 Grade 10/11 Elective
- 6 Grade 10/11 Elective
- 7 Grade 10/11 Elective
- 8 Grade 10/11 Elective

### **GRADE TWELVE**

- 1 Career Life Connections & Capstone
- 2 English Studies 12 OR English First Peoples 12 OR Communications 12
- 3 Grade 12 Elective
- 4 Grade 12 Elective
- 5 Grade 12 Elective
- 6 Grade 11/12 Elective
- 7 Grade 11/12 Elective
- 8 Grade 11/12 Elective

## POTENTIAL COURSES

- \* Outside the regular day
- \*\* Application required

### Applied Design, Skills, & Technologies—Home Economics

ADST- Food Studies 10  
Textiles 10

Culinary Arts 11  
Foods Studies 11  
Textiles 11

Foods Studies 12  
Textiles 12

### Applied Design, Skills, & Technologies—Trades

Drafting 10  
Explore: Trades Sampler 12A & 12B \*\*  
Mechanics 10  
Metalwork 10  
Woodwork 10

Automotive Technology 11  
Carpentry 11 (need description in Calendar)  
Drafting 11  
Electronics 11  
Jewelry & Art Metal 11  
Metalwork 11  
Stagecraft 11  
Woodwork 11

Art Metal & Jewelry 12  
Automotive Technology 12  
Automotives 12E (Electricity & Electronics)  
Carpentry 12 (no description in calendar)  
Drafting 12  
Drafting 12A (Advanced)  
Electronics 12  
Engine & Drivetrain 12  
Furniture & Cabinetry 12  
Machining & Welding 12  
Metalwork 12  
Metalwork 12A (Advanced) (no description in calendar)  
Woodwork 12

## **Arts Education—Drama**

Drama 10  
Musical Theatre 10 \*

Acting 11  
Musical Theatre 11 \*

Acting 12  
Musical Theatre 12 \*

## **Arts Education—Music**

Choir 10 \*  
Concert Band 10  
Jazz Band 10 \*

Choir 11 \*  
Concert Band 11  
Jazz Band 11 \*

Choir 12 \*  
Concert Band 12  
Jazz Band 12 \*

## **Arts Education—Visual Arts**

Media Arts 10  
Northwest Coast Art & Design 10  
Visual Art 10  
Yearbook 10 \*

Art Studio 11  
Photography 11  
Studio Arts 2D 11  
Media Arts 11  
Northwest Coast Art & Design 11  
Yearbook 11 \*  
Yearbook Editor 11 \* \*\*

Art Careers 12 \*\*  
Art Studio 12  
Photography 12  
Studio Arts 2D 12  
Media Arts 12  
Northwest Coast Art & Design 12  
Yearbook 12 \*  
Yearbook Editor 12 \* \*\*

## **Career Education**

Career Life Connections & Capstone  
Career Life Education 11  
Education Assistant 11 \*\*

Adulting 12

## **English Language Arts**

English 10  
English First Peoples 10

Communications 11  
Literary Studies 11  
EFP Literary Studies & Writing 11

Communications 12  
English Studies 12  
English First Peoples 12

## **Mathematics**

Apprenticeship & Workplace Math 10  
Foundations of Math & Pre-Calculus 10

Workplace Mathematics 11  
Foundations of Math 11  
Pre-Calculus 11

Apprenticeship Math 12  
Calculus 12  
Foundations of Math 12  
Pre-Calculus 12

## **Physical Education**

Physical & Health Education 10  
Superfit Basketball 10 \*

Active Living 11

Fitness & Conditioning 11  
Outdoor Education Fitness 11 \*\* (part of the Outdoor Education program)  
Outdoor Education 11 \*\* (part of the Outdoor Education program)  
Superfit Basketball 11 \*

Active Living 12  
Fitness & Conditioning 12  
Superfit Basketball 12 \*



## Science

Science 10

Chemistry 11

Earth Science 11

Life Sciences 11

Physics 11

Environmental Science 11

Anatomy and Physiology 12

Chemistry 12

Geology 12

Physics 12

## Second Languages

*Français langue* 10

French 10

*Études régionales et ethniques* 11

*Français langue* 11

French 11

Introductory Spanish 11

*Français langue* 12

## Social Studies

*Sciences humaines* 10 (French Immersion)

Social Studies 10

Psychology 11

*Sciences humaines* 11 (French Immersion)

BC First Peoples 12

Comparative Cultures 12

Genocide Studies 12

Law Studies 12

Psychology 12

Social Justice 12

20<sup>th</sup> Century World History 12

## SPECIAL PROGRAMS

### EXPLORE: TRADES SAMPLER

During Semester 2, Grade 10 students alternate 10 weeks of trades training at Northwest Community College with 10 weeks of secondary school coursework. The trades areas studied are

- Automotive/Heavy-Duty Mechanics
- Carpentry
- Electrical
- Plumbing/Pipefitting
- Welding/Millwright Machining

Upon successful completion of the program, the student will have earned credit for Trades Sampler 12A and 12B as well as English Language Arts 10, Social Studies 10, and Career Life Education 11. Students need to apply for this program.

### FRENCH IMMERSION

To graduate with a “Dual Dogwood” through the French Immersion Program, a student must earn credit for at least six of the eligible courses:

- *Français langue 10*
- *Français langue 11*
- *Français langue 12*
- *Sciences humaines 10*
- *Sciences humaines 11*
- *Études régionales et ethniques 11*

In order to graduate, French Immersion students must also complete English Language Arts courses for Grades 10, 11, and 12.

### SCHOOL COMPLETION PROGRAM

This program is designed for students who—due to past achievement, ability, and individual educational assessments in school—will not graduate from the regular British Columbia secondary school program with a Dogwood Certificate. The program helps students with basic skills, life skills, and work experience. Based on individual strengths and interests, some students take one or more courses from the Dogwood program. Grading may be adjusted to recognize students for their individual achievements.

At the end of the program, SCP students receive an Evergreen Certificate, signifying completion of three years of study in the secondary school. To be enrolled in this program, students must have written parental consent.

### OUTDOOR EDUCATION

During Semester 2, Grade 11 students spend the entire 20 weeks with one teacher, earning credit for

- English Language Arts 11
- Earth Science 11
- Outdoor Education Fitness 11
- Outdoor Education PE 11.

Approximately half of the coursework is completed off-campus in local outdoor settings; the other half is completed on the Caledonia school campus. Any specialized equipment needed for course activities (such as rock climbing) will be provided for the students.

## **EXTERNAL COURSES**

Students who have completed various programs outside the public school may receive graduation credits for the achievements. Students should see their Counsellors to discuss details of this opportunity and the type of documentation required. Programs include Athletics, Cadets, and Royal Conservatory of Music.

## **WORK EXPERIENCE**

The Work Experience program allows students to investigate potential careers by way of on-the-job experience. It is possible to accrue enough hours of experience to earn credit for Work Experience 12A and 12B. Students apply through the Careers Co-ordinator

## **SECONDARY SCHOOL APPRENTICESHIP**

The Secondary School Apprenticeship program involves work experience. With the completion of 480 hours of employment, the student receives credit for 2 Grade 11 courses and 2 Grade 12 courses. There is a potential for scholarship funding. Interested students should see the Careers Co-ordinator.

## **ACE-IT [Accelerated Credit Enrolment in Industry Training]**

Students interested in pursuing a career in one of several trades areas are encouraged to consider applying for the Ace-It program, run by the Northwest Trades and Employment Training Centre. The trades training is normally undertaken during the student's Grade 12 or "Grade 13" year. Upon completion of the trades training, the student receives high school credits as well as credit toward a Level 1 Technical Trades Training apprenticeship. Application is made through the Caledonia's Careers Co-ordinator. While students are enrolled in the ACE-IT program, they are registered as students of NTETC and are off the Caledonia Secondary School register.

# LEARNER SUPPORT

## FLEX BLOCK

Caledonia has been running daily half-hour Flex Blocks, during which students report to the teacher from whom they wish to receive help that day.

## RESOURCE ROOM

Resource Room is a program to support students with some form of identified learning disability who are in an academic Dogwood graduation program. A Resource Room block is for the whole semester. This program provides academic support and strategies for differing learning styles, as well as social/emotional support for students who are experiencing difficulties in these areas. This is a non-credit block.

## SUPPORT BLOCK

A Support Block helps students so that they can pass their required courses and graduate. It provides an assigned block during the school day for assistance with and completion of assignments, homework, projects, and tests. Students may be referred or ask their Counsellor for a referral. The needs and past performance of the individual are reviewed before a student is placed in the program. This is a non-credit block.

## CONNECTIONS ROOM

The First Nations Support Workers provide services to students in the Connections Room, in the Support Block Room, and in classrooms. Their goals are academic support of students; communication amongst students, staff, and parents; and sharing of cultural knowledge and activities.

## STUDY BLOCK

Grade 11 and 12 students with a course load of at least six academic courses within the year may apply for a Study, which provides an assigned block in the Library for completion of coursework and for studying. If a Study Block is granted, the student will have at least three remaining academic courses in that semester.

## CAUTION

Regarding academic courses (English Language Arts, Math, Science, Social Studies), the expectation is that students enroll in

- courses at their own grade level and
- courses for which they have the recommended pre-requisite course and marks.

However, some students may have academic plans which rely on taking an academic course at the grade level above their own or a course for which they do not have the pre-requisite course/marks. A student who requests such a course can expect to receive from the Counsellor a "Caution" form. The form includes the reason the caution is being issued and other input. The student who wishes to continue with the request will have a deadline for returning the form with signatures by both the student and the parent. Failure to return the form by the deadline means that placement in the requested course will be automatically denied or revoked. A student taking a course despite being cautioned and then wanting to withdraw early from the course can expect to be assigned an "off-campus" block.

## COURSE DESCRIPTIONS

### APPLIED DESIGN, SKILLS, & TECHNOLOGIES—HOME ECONOMICS

#### **ADST- FOOD STUDIES 10** (*Replaces Foods and Nutrition 10*) (MFOOD10)

Basic cooking skills are emphasized as students use tools and equipment in the kitchen to prepare delicious food. The basic concepts of nutrition, food-safe procedures, and food preparation techniques are presented so that all students—whether novice or experienced cooks—can enjoy making and eating foods for breakfast, lunch, supper, and in-between. Students can expect to be cooking two to three times a week. Labs and assignments each make up about half of the grade.

#### **TEXTILES 10** (MTXT-10)

Learn to sew, or improve your skills! This course is designed for everyone from the “never ever” sewer to those students who have had some experience. The course covers sewing basics that include operation of the sewing machine, pattern and fabric selection and layout, and garment construction techniques. Other textile skills such as crocheting and hand-quilting are also included. Projects include a quilt-block pillow, pajama bottoms, and a top. More advanced sewers will be encouraged to choose more difficult projects and may be required to sew some costumes for the school drama production. Students are required to provide the materials used for their projects.

#### **CULINARY ARTS 11** (MCUL-11)

This is a new course for the cooking enthusiast who is eager to become skilled in gourmet cuisine. Develop your passion and expand your repertoire of skills. Learn how to prepare dishes with flair, using professional ideas and secrets. A solid foundation of cooking skills is an asset but not essential. In this course, you will learn not only how to prepare many foods but emphasis will be placed on how it is presented – food as art. You will be learning and applying vocabulary not commonly used in Foods and Nutrition courses. A major part of this course involves creating a photographic portfolio of your culinary masterpieces. The portfolio, including photographs and detailed justifications of your finished works, will be a showcase of your ability and accomplishments.

- Lab Scores and Food Presentation 60%
- Assignments 20%
- Portfolio 20%

#### **FOOD STUDIES 11** (*Replaces Foods and Nutrition 11*) (MFOOD11)

Basic concepts of nutrition, foods, and food preparation are covered in this course. The emphasis is on correct handling techniques, as students prepare and eat dishes from all of the food groups. Labs and assignments each make up about half of the grade, and students can expect to be cooking two to three times a week.

#### **TEXTILES 11** (MTXT-11)

Learn to sew, or improve your skills! This course is designed for everyone from the “never ever” sewer to those students who have had some experience. The course covers the sewing basics that include operation of the sewing machine, pattern and fabric selection and layout, and garment construction techniques. Other textile skills such as crocheting and hand-quilting are also included. Projects include a quilt block pillow, pyjama bottoms, and a top. More advanced sewers will be encouraged to choose more difficult projects and may be required to sew some costumes for the school drama production. Students are required to provide the materials used for their projects.

#### **FOOD STUDIES 12** (*Replaces Foods and Nutrition 12*) (MFOOD12)

Prerequisite: None, but Food Studies 11 is recommended

Food Studies 11 is expanded upon in this course. More detailed analysis of food and its preparation is emphasized. Products are more advanced, and independent work in the labs is stressed during the preparation of buffets. Labs and assignments each make up half of the grade.

### **TEXTILES 12 (MTXT-12)**

Learn to sew, or improve your skills! This course is designed for everyone from the “never ever” sewer to those students who have had some experience. The course covers sewing basics that include operation of the sewing machine, pattern and fabric selection and layout, and garment construction techniques. Other textile skills such as crocheting and hand-quilting are also included. Projects include a quilt-block pillow, pyjama bottoms, and a top. More advanced sewers will be encouraged to choose more difficult projects and may be required to sew some costumes for the school drama production. Students are required to provide the materials used for their projects.

## **APPLIED DESIGN, SKILLS, & TECHNOLOGIES—TRADES**

### **DRAFTING 10 (MTED-10)**

Drafting is essential in all Trades and Engineering careers. This course is designed to introduce students to a drafting lab environment and tools that are typically used in drafting fields. This course involves sketching, hand drafting, and CADD (Computer-Aided Drafting and Design), in mechanical and architectural forms. Students will create their own house plan and model as a final project in this class.

### **EXPLORE: TRADES SAMPLER 12A & 12B (TSTP-2A, TSTP-2B)**

During Semester 2, Grade 10 students alternate 10 weeks of trades training at Northwest Community College with 10 weeks of secondary school coursework. The trades areas studied are

- Automotive/Heavy-Duty Mechanics
- Carpentry
- Electrical
- Plumbing/Pipefitting
- Welding/Millwright Machining

In the space of ten weeks, students will earn two courses' worth of credits. Students need to apply for this program.

### **MECHANICS 10 (MTEC-10)**

This course is designed to introduce students to a mechanics shop environment and the internal combustion engine. The course involves both classroom and shop-based work, with emphasis on hands-on activities and project-based participation.

### **METALWORK 10 (MTEM-10)**

This course is designed to introduce students to a metalwork shop environment and the hand tools and machines that are typically used there. The emphasis will be on generalized knowledge of procedures, rather than a specialized focus. Students must provide their own safety glasses for this course. The course involves both classroom and shop-based work, with emphasis on hands-on work and project-based assessment. Students are responsible for the cost of materials.

### **WOODWORK 10 (MTEW-10)**

This introductory course is a practical, project-driven course with an emphasis on the safe operation of both machines and hand tools. In this course, the student will design and construct wood projects in the areas of carpentry and joinery.

### **AUTOMOTIVE TECHNOLOGY 11 (Replaces Automotives 11) (MTAUT11)**

Pre-requisite: Mechanics 10

The study of automotive operating systems (including engine lubrication, engine cooling, brakes, steering) is accomplished by 40% classroom and 60% service floor work. The nature of the work requires that a student be industrious and responsible.

### **WOODWORK 11 (MWWK-11)**

Pre-requisite: Woodwork 10

This course is designed to develop skill cutting, shaping, fitting, and turning wooden projects. Safety and correct procedures are stressed while students are completing their small projects. Students are encouraged to complete one major project of their own design.

### **DRAFTING 11 (MTDRF11)**

Pre-requisite: Drafting 10

A good understanding of drafting will be a benefit to any person looking at a career in the trades or engineering. This course develops basic skills in creating and understanding technical drawings. The emphasis will be on careers and trades that require an understanding of drafting and computer-based design.

### **ELECTRONICS 11 (MTELE11)**

This course is designed to introduce students to basic electronics and components found on most circuit boards. Students will be designing and building simple circuits and getting to understand some of the tools and machinery used in electronics. Alternate power sources and household electrical work will also be introduced. The course involves both classroom and shop-based work, with emphasis on hands-on activities and project-based participation.

### **JEWELRY & ART METAL & JEWELRY 11 (YIA—1A)**

This course is designed to introduce students to foundational concepts and techniques used in designing and building one-of-a-kind jewelry and art metal projects. Students will learn metal processes such as bending, folding, riveting, welding, soldering, turning, etching, and casting metals from aluminium, steel, copper, and silver. Students will familiarize themselves with a broad range of machines and tools used in a metalworking shop. The course involves both classroom and shop-based work, with emphasis on hands-on activities and project-based participation.

### **METALWORK 11 (MTMET11)**

Pre-requisite: Metalwork 10

This course will cover basic metalworking theory, machining, sheet metal fabrication, welding, forging, and casting. There will be four mandatory projects in the term, as well as one project that is open to student choice. Students must pay for the materials used in their projects.

### **STAGECRAFT 11 (MTPR-11)**

This course runs in the fall in support of the school musical. Design and drafting, sketching, and model building will be covered. Carpentry, cabinetry, furniture building, painting, metalwork and electrical work will all be explored. After the musical, students will work on design and building of modelling projects. Many theatre materials will be explored in this course.

### **AUTOMOTIVE TECHNOLOGY 12 (Replaces Automotives 12) (MTAUT12)**

Pre-requisite: Automotive Technology 11

This course emphasizes operational and repair procedures. The course is for students with a strong work ethic and interest in the subject.

### **ENGINE & DRIVETRAIN 12 (MTEAD12)**

Pre-requisite: Automotive Technology 11

This course examines automotive electrical systems principles of operation and repair techniques highlighted by practical application. The course is for students with a strong work ethic and interest in the subject.

**AUTOMOTIVES 12E (ELECTRICITY & ELECTRONICS) (MATE-12)**

Pre-requisite: Automotive Technology 11

This course's emphasis is on service and repair procedures of driveline and engine components. The course is for students with a strong work ethic and interest in the subject.

**WOODWORK 12 (MWWK-12)**

Pre-requisite: Woodwork 11

This course builds on the woodworking skills developed in Carpentry 11 with a focus on more advanced design, techniques, and finishing. Students will be asked to do a mandatory review/skill-building project to start the year.

**FURNITURE & CABINETRY 12 (MTFAC12)**

Prerequisite: Woodwork 11

This course will focus on cabinet construction and repair with emphasis on advanced joinery techniques, design, and finishing projects. This course is a project-driven course. The student will complete one or more projects of their choosing. Design, planning, procedure, and construction methods along with safe operation of hand and machine tools will be emphasized. Students will be responsible for the cost of materials.

**DRAFTING 12 (MTDRF12)**

Pre-requisite: Drafting 11

The course develops more advanced skills in creating and understanding technical drawings. Students will be required to solve design and construction problems which are common in the workplace.

**DRAFTING 12A (ADVANCED) (MDDA-12)**

Pre-requisite: Drafting 12

This course teaches advanced skills in understanding and creating technical drawings. Independent drafting and problem-solving mixed with time management will be required by students interested in advanced drafting and design.

**ELECTRONICS 12 (MTELE12)**

Pre-requisite: Electronics 11

This is an extension of Electronics 11. Students will be designing and building circuitry used for projects centred around robotics and alternate energy sources. Students will be required to build more complex projects and circuit boards. This course involves both classroom and shop-based work, with emphasis on hands-on activities and project-based participation.

**ART METAL & JEWELRY 12 (MTAMJ12)**

Pre-requisite: Jewelry & Art Metal 11

This course builds on Jewelry & Art Metal 11. Students will be expected to take on more difficult projects specializing in certain techniques and deepening their knowledge of particular machines and tools. Projects could include work with stained glass, metal furniture, and jewelry stones. Entrepreneurial skills will also be explored in this class, with the students having an opportunity to display and possibly sell their work. The course involves both classroom and shop-based work, with emphasis on hands-on activities and project-based participation. Students must provide their own safety glasses and any other personal tools that may be required.

**METALWORK 12 (MTMET12)**

Pre-requisite: Metalwork 11

This course is a continuation of Metalwork 11 as well as more advanced theory of metalwork. Either in a large project or several smaller projects, the assignments completed are to include the techniques that will be laid out for the student. Students must pay for the materials used in their projects.



## **MACHINING & WELDING 12** (MTMAW12)

Pre-requisite: Metalwork 12

This course is an extension of Metalwork 12, with students increasing their knowledge of metalwork and taking on more intricate projects requiring advanced skills. Students may choose to specialize in either Welding & Fabrication or Machining. Students are responsible for the costs of materials for their projects.

## **ARTS EDUCATION—DRAMA**

### **DRAMA 10** (MDRG-10)

This course is for students who want to act and to grow in terms of imagination, expression, confidence, teamwork, interpretation, theatre skills, and understanding of drama. Actors will develop skills through drama exercises and improvisation. The second term is dominated by a class play, which will be performed in front of a small audience.

### **MUSICAL THEATRE 10** (MMUTH10)

This course is for students who want to participate in a Musical Theatre production. The focus is on commitment, self-discipline, teamwork, and theatre skills. Students will complete activities related to the preparation, rehearsal, and performance of a musical. The role in which a student is cast will determine the individual's number of days of rehearsal and amount of acting, singing, and/or dancing. Class sessions and rehearsals are held after school Monday through Friday plus Sunday afternoon.

### **DRAMA 11** (*Replaces Acting 11*) (MDRM-11)

Pre-requisite: Drama 10

This course is for students who want to act, and to grow in terms of imagination, expression, confidence, teamwork, interpretation, theatre skills, and understanding of drama. Actors will develop skills through drama exercises and improvisation, work with scripts, analyse characters' goals and motivations, use their bodies and voices to develop characters, rehearse and prepare scenes and plays, perform, and critique their own and fellow students' work.

### **MUSICAL THEATRE 11** (MMUTH11)

Pre-requisite: Musical Theatre 10

This course is for students who want to participate in a musical theatre production. The focus is on commitment, self-discipline, teamwork, and theatre skills. Students will complete activities related to the preparation, rehearsal, and performance of a musical. The role in which a student is cast will determine the individual's number of days of rehearsal and amount of acting, singing, and/or dancing. Class sessions and rehearsals are held after school Monday through Friday plus Sunday afternoon.

### **DRAMA 12** (*Replaces Acting 12*) (MDRM-12)

Pre-requisite: Drama 11

Students will build on the acting skills they developed in Acting 11. They will refine their ability to convey a message, work with a central image, move in and out of a role, develop and sustain a character, interpret scripts, understand a play's context, and perform. In addition, they will apply different theatre styles; identify the contributions of significant actors, directors, playwrights, and plays; collaborate to solve performance and production problems; and provide leadership.

### **MUSICAL THEATRE 12** (MMUTH12)

Pre-requisite: Musical Theatre 11

This course is for students who want to participate in a musical theatre production. The focus is on commitment, self-discipline, teamwork, and theatre skills. Students will complete activities related to the preparation, rehearsal, and performance of a musical. The role in which a student is cast will determine the individual's number of days of rehearsals and amount of acting, singing, and/or dancing. lass sessions and rehearsals are held after school Monday through and Friday plus Sunday afternoon.

## **ARTS EDUCATION—MUSIC**

### **INSTRUMENTAL and CHORAL MUSIC**

Students must be willing to accept the responsibilities of being in music. These responsibilities include a willingness to practise outside of class time.

Students in Band who do not have their own instruments must be willing to rent or buy one. Some instruments are available from the School.

Students enrolled in music classes are expected to participate in all Caledonia Music activities, which include concerts and extra rehearsals. The music tour and fundraising are optional.

### **CHOIR 10 (MMCC-10)**

Students will learn and perform pieces from all styles of music (classical, pop, jazz). The basics of reading and singing music will be taught. Students must be willing to perform in this practical class and in concert situations. Extra rehearsals may be necessary. Choir students are encouraged to be involved in the School Musical. The show is performed for the public the first week in December. Choir is a “ninth block” course which meets outside the regular timetable on Tuesday and Thursday afternoons from 3:30 to 5:30 p.m. for the entire school year.

### **CONCERT BAND 10 (MNCB-10)**

Pre-requisite: Band 9 or Adjudicated Band Level

This course is an extension of Band 9 with more intensive study in band performance, instrumental technique, theory, and history. Typically, Band is offered in the first semester with extra-curricular rehearsals during Semester 2 on Mondays from 3:30 to 5:00.

### **JAZZ BAND 10 (MMJB-10)**

Pre-requisite: Students must competently play one of the traditional jazz band instruments (saxophone, trombone, trumpet, guitar, bass guitar, piano, drums, percussion). Students are strongly encouraged to be concurrently enrolled in Concert Band 10. The ability to read music accurately is beneficial.

A variety of jazz styles will be explored through listening, rehearsing, and performing. The fundamentals of improvised solo playing will be emphasized and encouraged. Jazz Band is a “ninth block” course which meets outside the regular timetable on Monday, Wednesday, and Friday mornings from 7:30-8:30 a.m. for the entire school year.

### **CHOIR 11 (MCMCC11)**

Previous music experience in voice, instrumental, or piano is beneficial. Students will learn and perform music from all styles of music (classical, pop, jazz). The basics of reading and singing music will be taught. Students must be willing to perform in this practical class and in concert situations. Extra rehearsals may be necessary. Choir students are encouraged to be involved in the School Musical. The show is performed for the public the first week in December. Choir is a “ninth block” course which meets outside the regular timetable on Tuesday and Thursday afternoons from 3:30 to 5:30 p.m. for the entire school year.

### **CONCERT BAND 11 (MIMCB11)**

Pre-requisite: Band 10 or Adjudicated Band 10 Level

This course is an extension of Band 10 with more intensive study in musical performance, instrumental technique, theory, and history. Extra-curricular band rehearsals, if necessary, are Mondays from 3:30 – 5:00 P.M. all year long.

### **JAZZ BAND 11 (MIMJB11)**

Pre-requisites: Jazz Band 10; expertise on traditional jazz band instruments (saxophone, trumpet, trombone, percussion, piano, and bass guitar; an audition and/or recommendations from the previous band teachers. Students are strongly encouraged to be concurrently enrolled in Concert Band 11. The ability to read music accurately is beneficial.

A variety of jazz styles will be explored through listening, rehearsal, and performance. The fundamentals of improvised solo playing will be emphasized and encouraged. Accuracy in ensemble playing will be stressed. Jazz Band meets Monday, Wednesday, and Friday mornings from 7:30 – 8:30 A.M. all year long.

### **CHOIR 12 (MCMCC12)**

Pre-requisite: Choir 11

Skills from Choir 11 will be further developed. More voice independence is stressed and sight-singing skills will be developed. Attendance is essential for this practical course. To receive credit for this course, students must perform in all concerts. Home and extra-curricular practice will be necessary. Choir 12 is a “ninth block” course which meets Tuesdays and Thursdays from 3:30-5:30 p.m. Choir students are encouraged to be involved in the Musical as part of their course work.

### **CONCERT BAND 12 (MIMCB12)**

Pre-requisite: Concert Band 11 or Adjudicated Band 11 Level

Students, by the end of grade 12, will develop competency on the full range of their chosen instrument. This includes tuning, range, technique, and musicality.

Extra-curricular band rehearsals are Mondays, if necessary, 3:30 – 5:00 P.M. all year long. The music tour and fund raising are optional.

### **JAZZ BAND 12 (MIMJB12)**

Pre-requisite: Jazz Band 11. Students are expected to be enrolled in Concert Band 12 concurrently.

Jazz Band 12 challenges the student to continue improving jazz skills. Students are strongly encouraged to be concurrently enrolled in Concert Band 12. Students are required to do improvised solos. Jazz Band meets Monday, Wednesday, and Friday mornings from 7:30 – 8:30 A.M. all year long.

## **ARTS EDUCATION—VISUAL ARTS**

### **MEDIA ARTS 10 (MVAM-10)**

This course is designed to give you a good foundation in a variety of computer programs and design techniques that will serve you well in the future. We'll explore Adobe Photoshop, InDesign, Premiere and manual operation of DSLR cameras for photography and video. You will create graphics and materials for publication and learn basic photo manipulation. You will also work in groups to produce original films, learning about storyboarding and video production in process. This course, great for all students willing to explore their creativity, includes a mix of group work and independent work.

### **NORTHWEST COAST ART & DESIGN 10 (YAES-0A)**

This course will introduce students to traditional Northwest Coast art and design. The course starts with technique practice in drawing and painting. Projects may include paintings, murals, carvings, clay tiles, and fibre arts. Guest artists will visit and work with students. First Nations symbolism and the historical background of myths and legends will be explored. When possible, fieldtrips will be included in the course.

### **VISUAL ART 10 (MVAG-10)**

**2D & 3D FOCUS** Art 10 is a survey/foundation course that is an introduction to advanced art courses. Skills and techniques in drawing, painting, design, and 3D sculpture, such as ceramics, are explored. Students work with the teacher to explore new and creative approaches aimed at helping students find personal challenge, originality, and inspiration in this visual world. Several weeks are devoted to independent, free-choice projects. Outdoor art and Art Gallery fieldtrips are included with this course.

**YEARBOOK 10** (YCCT-0A)

Do you like to have your finger on the pulse of what's happening at our school? Do you enjoy taking pictures of people and documenting an event? Do you have time to attend school events outside of the timetable and attend a weekly Yearbook meeting? If so, Yearbook might be the course for you. Learn photography techniques, graphic design, and organization and contribute to a permanent record of our school year. Yearbook 10 is offered as a "ninth-block" course (outside the regular school day).

**ART STUDIO 11** (*Replaces Art Foundations 11*) (MVA11)

**2D & 3D FOCUS** This is an art course geared towards beginner and intermediate art students. The focus is on how to draw, paint (acrylic, watercolor, mixed-media), and sculpt (assemblage, ceramics) in a variety of media. The fundamentals of design and how to use color will be applied to projects. This course will teach you how to build on your ideas and personal challenges to be more inventive and creative. Projects vary from semester to semester. Several weeks are devoted to independent, free-choice projects. Outdoor art and Art Gallery fieldtrips are included with this course

**PHOTOGRAPHY 11** (*Replaces Digital Photography 11*) (MVAPH11)

Get introduced to manual photography with a DSLR camera! Learn the basic principles of digital camera operation, compositional and critiquing skills, photographic history, photo manipulation using Adobe Photoshop, and contemporary uses of photography. This course is a good fit for a creative student who is driven to create art. Students should be able to work independently as activities will frequently require work outside of the classroom.

**STUDIO ARTS 2D 11** (*Replaces Drawing & Painting 11: 2D Focus*) (MVAD-11)

Drawing & Painting is a Studio Art course for students who are intent on developing their two-dimensional art and design skills. Art history, image development, mixed media, and printmaking may also be explored. Projects vary from semester to semester. Several weeks are devoted to independent, free-choice projects. Outdoor art and Art Gallery fieldtrips are included with this course.

**MEDIA ARTS 11** (MVAMT11)

Pre-requisite: None, but Media Arts 10 is strongly recommended.

Building on the basics, Media Arts 11 will focus on developing digital artwork for artistic and professional purposes, including digital painting, animation, video production, and web design. Students will also continue their study of digital filmmaking in more advanced applications.

**NORTHWEST COAST ART & DESIGN 11** (YAES-1A)

This course is an intermediate course looking at traditional and innovative Northwest Coast art and design. The course starts with focused technique practice in drawing and painting. Opportunities for projects may include printmaking, paintings, murals, carving, and fibre arts, among other materials. Guest artists will visit and work with students. First Nations symbolism and the historical background of myths and legends will be explored. Several weeks are devoted to independent, free-choice projects. When possible, fieldtrips will be included in the course.

**YEARBOOK 11** (YCCT-1A)

Do you like to have your finger on the pulse of what's happening at our school? Do you enjoy taking pictures of people and documenting an event? Do you have time to attend school events outside of the timetable and attend a weekly Yearbook meeting? If so, Yearbook might be the course for you. Learn photography techniques, graphic design, and organization, and contribute to a permanent record of our school year. Yearbook 10 is offered as a "ninth-block" course (outside the regular school day).

**YEARBOOK EDITOR 11** (code not available)

This is offered as a course within the timetable, and there are two editor positions available: 1<sup>st</sup> Semester Editor and 2<sup>nd</sup> Semester Editor. The editor will develop the theme with the rest of the Yearbook team, manage the Page Ladder, ensure assignments are evenly delegated, assist with

Photography and page layout, and ensure deadlines are met with the publisher. These positions require approval from the Yearbook teacher.

### **ART CAREERS 12** (YSEVC-2A)

Pre-requisite: Any Visual Art course and permission of the instructor.

**ART AFTER HIGH SCHOOL** This advanced art course is designed to help prepare students to make art a part of their lives after high school, regardless if their goals are art careers/schools, gallery exhibitions, or serious-hobby art. After an initial drawing unit, this self-directed course starts with students setting personal challenges for the semester and the portfolio of art they want to develop. Students are given the option and opportunity to explore aspects of being a professional artist, different art careers, and post-secondary art programs. Evaluation is based on exploration of art topics and personal challenges, portfolio, and the student's ability to work independently. When possible, fieldtrips will be included in the course. Students must apply for this course.

### **ART STUDIO 12** (*Replaces Art Foundations 12*) (MVA12)

**2D & 3D FOCUS** This is the intermediate studio art course. Students continue to develop creativity in drawing, painting, sculpting, and printmaking. Cultural, personal, and historical contexts are incorporated into art projects. Projects vary from semester to semester. Students can choose to develop independent projects or prepare for a final solo exhibition of their work. Outdoor art and Art Gallery fieldtrips are included with this course.

#### **ADVANCED**

Pre-requisite: Any Visual Art 12 course and permission of the instructor.

This is an advanced studio art course in which students are expected to be self-directed and able to work independently. After an initial drawing unit, students will work with their teacher on the development of projects and exploration of media, subject, and content which are relevant to their personal art goals. When possible, fieldtrips will be included in the course.

### **PHOTOGRAPHY 12** (*Replaces Digital Photography 12*) (MVAPH12)

Pre-requisite: Photography 11 with a final mark of at least 70%

This is an advanced course in digital photography. Students will expand on their understanding of how to both "read" or interpret the visual imagery around them and how to communicate personal ideas through their photographs using strategies of composition, theme, and symbolism, among others. The course may explore photographic subjects such as special effects, photojournalism, landscape, portrait, and advertising with a focus on self-directed projects. Students are expected to be able to work independently and to be extremely self-motivated.

### **STUDIO ARTS 2D 12** (*Replaces Drawing and Painting 12*) (MVAD-12)

Pre-requisite: Studio Arts 2D 11

**2D FOCUS** This is an advanced drawing and painting course for serious art students. Other two-dimensional aspects, such as printmaking, will also be explored. Students are encouraged to apply their personal approach to creative projects. The opportunity is given for independent art explorations, supported research of art schools and careers, portfolio development and art show presentations. Outdoor art and Art Gallery fieldtrips are included with this course.

### **MEDIA ARTS 12** (MVAMT12)

Pre-requisite: Photography 11 with 75% or higher

In this advanced course, students will choose areas to study for the semester. Course projects will be focused on student interests and may include developing a digital/online portfolio, exploring advanced photographic and filmmaking techniques, mastering the creation of unique 3D characters and level design, producing a series of animations, developing original work for a photography exhibit, designing functional and quality websites for personal or professional uses. On a weekly basis, students will share their work with each other as it progresses, inviting feedback and critique. Students are expected to be able to work independently and to be extremely self-motivated.

## **NORTHWEST COAST ART AND DESIGN 12 (YAES-2A)**

Pre-requisite: Northwest Coast Art and Design 10 or 11

Traditional Aboriginal art of the Northwest Coast continues to be explored with drawing, painting, carving and printmaking. Students build on previous skills and are expected to challenge themselves to bring their designs and techniques to a higher level. The option is given to explore art schools and develop a personal art portfolio. Local artists visit and work with students to develop their ideas and projects. Students may choose to work with several of the following methods: printmaking, paintings, murals, carving, and fibre arts, among others. Several weeks are devoted to independent, free-choice projects. When possible, fieldtrips will be included in the course.

## **YEARBOOK 12 (YCCT-2A)**

Pre-requisite: Yearbook 11

Do you like to have your finger on the pulse of what's happening at our school? Do you enjoy taking pictures of people and documenting an event? Do you have time to attend school events outside of the timetable and attend a weekly Yearbook meeting? If so, Yearbook might be the course for you. Learn photography techniques, graphic design, and organization and contribute to a permanent record of our school year. Yearbook 10 is offered as a ninth-block course (outside of the regular school day). Speak to Ms. Redpath if you have questions about the course.

## **YEARBOOK EDITOR 12 (code not available)**

This is offered as a course within the timetable and there are two editor positions available: 1<sup>st</sup> Semester Editor and 2<sup>nd</sup> Semester Editor. The editor will develop the theme with the rest of the Yearbook team, manage the Page Ladder, ensure assignments are evenly delegated, assist with Photography and page layout and ensure deadlines are met with the publisher. These positions require approval from the Yearbook teacher.

## **CAREER EDUCATION**

### **ADULTING 12 (YMIS-2A)**

Recommended to be taken in Grade 12

In a few short months, you'll be released from the school system and set free into the big, wide world. Before you go, let's talk about some things that the rest of your schooling didn't teach you! Topics include apartment hunting; school or work; basic budgeting and taxes; buying and owning a car; dating and relationships; people skills; home ownership; choosing a life partner; having a family; investing, saving, and retirement; volunteerism and being a useful citizen; success, happiness, and confidence.

### **CAREER LIFE EDUCATION 11 (MCLE-11)**

This course launches in the 2018-2019 school year. Its "big ideas" are balance of work and personal life; network of family, friends, and community members; lifelong learning and adaptation; internal and external factors of career planning; the global economy; the cycle of planning, evaluation, and adaptation.

### **CAREER LIFE CONNECTIONS & CAPSTONE (MCLCC12)**

This graduation-requirement course will not be available until after the 2018-2019 school year. Career Life Connections is under development at the provincial level. Its "big ideas" are well-being; personal networks and community involvement; education, careers, and life-opportunities; lifelong learning; global economies, culture, and sustainability; the cycle of exploration, planning, evaluation, and adaptation. The Capstone Project is under development at the provincial level. It will involve the design, assembly, and presentation to an audience of a project that demonstrates personal learning and achievement inside and outside the school, growth in the core competencies, and reflection on the post-graduation plan.

## **EDUCATION ASSISTANT 11 (YED—1A)**

Students must apply for this course, which involves being a Teacher's Assistant. Application is made through the Counsellor and Administrator and requires authorization of a sponsoring teacher and the applicant's parent/guardian. The student will provide assistance and support as directed by the supervising teacher.

## **ENGLISH LANGUAGE ARTS**

### **ENGLISH 10 (MEN—10)**

Students study short stories, essays, poems, novels, and plays. They learn to research and write paragraphs, essays, and literary responses and to do oral presentations.

### **ENGLISH FIRST PEOPLES 10 (MEFP-10)**

Students study short stories, essays, poems, novels, and plays. They learn to research and write paragraphs, essays, and literary responses and to do oral presentations. The literature used in the course is about and by First Nations people.

### **COMMUNICATIONS 11 (MCOM-11)**

Pre-requisite: English 10 or English First Peoples 10

This course is intended for students who are deficient in one or more areas of academic English and who are not planning to continue their formal education beyond high school. A variety of resources will be used to strengthen listening, speaking, reading, writing, viewing, language, and literature skills. There is less emphasis on the technical and analytical skills required in an academic English class. This course will not be available after the 2018-2019 school year.

### **LITERARY STUDIES 11 (*Replaces English 11*) (MLTST11)**

Pre-requisite: English 10 or English First Peoples 10

Each of the genres of literature and various aspects of language are studied in this course. Students with a mark below 60% in English 10 may find English 11 difficult.

### **EFP LITERARY STUDIES & WRITING 11 (*Replaces English First Peoples 11*) (MEFLS11)**

Pre-requisite: English 10 or English First Peoples 10

English First Peoples 10 is an equivalent course to English 11. It covers the same learning outcomes as English 11. What distinguishes it from English 11 is that it is based on the study of modern literature and materials representing authentic First Peoples' voices. Students with a mark below 60% in English 10 or English First Peoples 10 may find English First Peoples 11 difficult.

### **COMMUNICATIONS 12 (MCOM-12)**

Pre-requisite: Communications 11, Literary Studies 11, or English First Peoples 11

This course is designed for students who are deficient in one or more areas of academic English and whose future plans do not require English 12. Using a variety of resources, the class works on listening, speaking, reading, writing, viewing, language, and literature. Students face a less technical and analytical approach than they would in English 12. The mandatory provincial exam is worth 40% of the final mark. This course will not be available after the 2018-2019 school year.

### **ENGLISH STUDIES 12 (*Replaces English 12*) (MENST12)**

Pre-requisite: Literary Studies 11 or EFP Literary Studies & Writing 11

Each class works on listening, speaking, reading, writing, viewing, and language and literature activities. Many topics and resources are available. The individual teacher selects materials appropriate to the needs and interests of the particular class. The mandatory provincial exam is worth 40% of the final mark. Students with a mark below 60% in English 11 may find English 12 difficult.

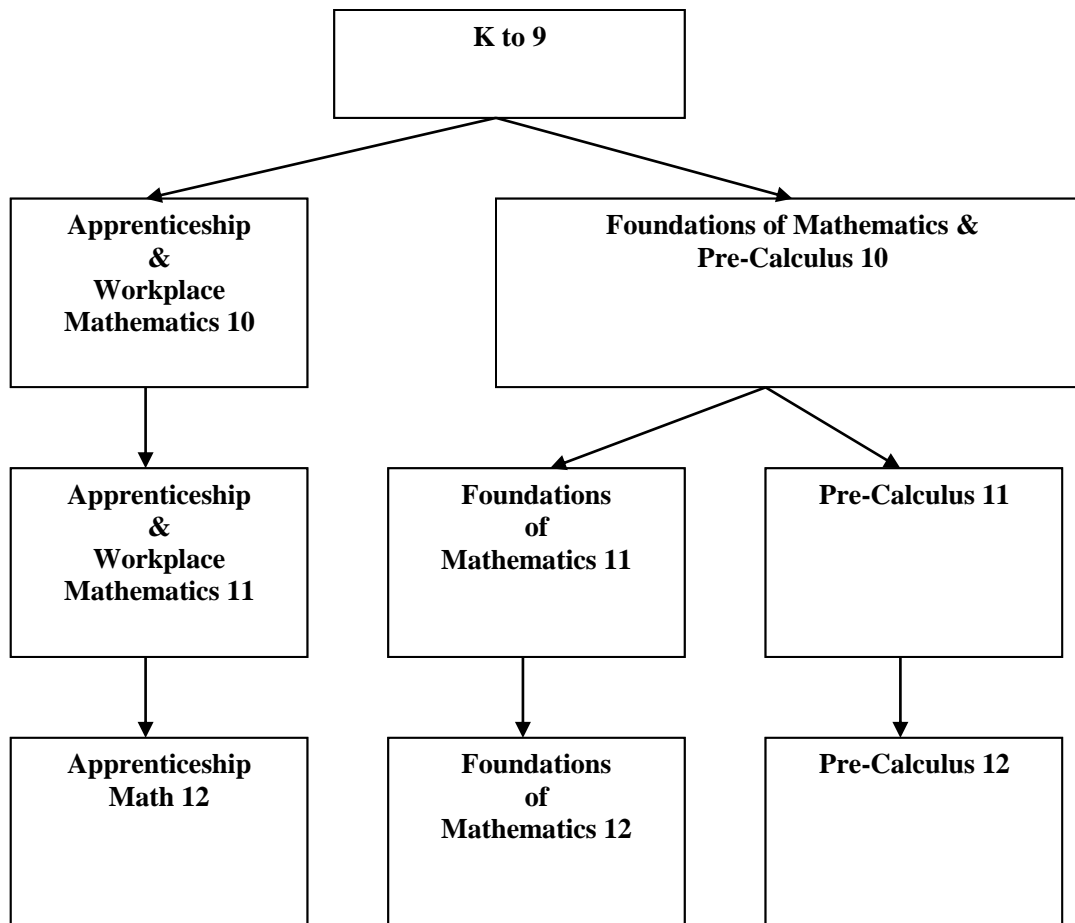
## **ENGLISH FIRST PEOPLES 12 (MENFP12)**

Pre-requisite: Literary Studies 11 or EFP Literary Studies & Writing 11

English First Peoples 12 is an equivalent course to English 12. It covers the same learning outcomes as English 12. What distinguishes it from English 12 is that it is based on the study of modern literature and materials representing authentic First Peoples' voices. The mandatory provincial exam is worth 40% of the final mark. Students with a mark below 60% in English 11 or English First Peoples 11 may find English First Peoples 12 difficult.

## **MATHEMATICS**

There are three different math pathways, each with a different focus.



The Apprenticeship Math pathway is for students intending to enter a trades program at a technical college or enter the work force after graduation. While this pathway is well suited as preparation for many trades, some trades (such as electrician) require a higher academic math.

The Foundations of Math pathway is designed to prepare students for post-secondary programs that do not require the study of Theoretical Calculus. These programs include Humanities and Fine Arts.

The Pre-Calculus pathway is designed to prepare students for post-secondary programs that require the study of Theoretical Calculus. These programs include Commerce, Engineering, Mathematics, Medicine, and Science.

It is important that students research the math requirement for their intended post-secondary education. Some institutions will accept courses from different math pathways as equivalent; for example, Foundations of Math 12 may be accepted as equivalent to Pre-Calculus 11.



**APPRENTICESHIP & WORKPLACE MATH 10** (MAWM-10)

Topics in this course include measurement, geometry, pricing and income, and algebra. This course leads to Apprenticeship and Workplace 11.

**FOUNDATIONS OF MATH & PRE-CALCULUS 10** (MFMP-10)

Topics in this course include measurement, algebra, irrational numbers, relations, and functions. This course leads to Pre-Calculus 11, or Foundations of Mathematics 11, or Apprenticeship and Workplace Mathematics 11.

**WORKPLACE MATHEMATICS 11** (*Replaces Apprenticeship & Workplace Math 11*) (MWPM-11)

Pre-requisite: Apprenticeship & Workplace Math 10 or Foundations of Math & Pre-Calculus 10

This course is recommended for students planning on entering the workforce directly after high school or planning on pursuing a trades career. Topics covered may include reasoning, rates of change, measurement, and statistics.

**FOUNDATIONS OF MATH 11** (MFOM-11)

Pre-requisite: Foundations of Math & Pre-Calculus 10 with a final grade of 60% or higher

This course is strongly recommended for students who are planning on pursuing post-secondary studies in the humanities or the arts. Topics studied may include logic and reasoning, functions, geometry, and statistics.

**PRE-CALCULUS 11** (MPREC11)

Pre-requisite: Foundations of Math & Pre-Calculus 10 with a final mark of 70% or higher

This course is strongly recommended for students planning to pursue post-secondary studies in math or science. Topics covered may include relations and functions, trigonometry, polynomial functions, and graphing.

**APPRENTICESHIP MATH 12** (*Replaces Apprenticeship & Workplace Math 12*) (MAPPR12)

Prerequisite: Workplace Mathematics 11, or Foundations of Math 11, or Pre-Calculus 11

Topics in this course are geometry (including polygons and trigonometry), financial mathematics (buying and leasing), simple algebra, statistics, and probability.

**CALCULUS 12** (MCALC12)

Pre-requisite: Pre-Calculus 12

This course provides an overview of the subject. It includes a summary of all rules for differentiation, applications of differential calculus, and an introduction to integral calculus. This course is strongly recommended for students aiming for post-secondary study of Commerce, Engineering, Mathematics, Medicine, or Science. Students with a grade below 70% in Pre-Calculus 12 may find Calculus 12 difficult.

**FOUNDATIONS OF MATH 12** (MFOM-12)

Pre-requisite: Foundations of Math 11 with a mark of 60% or higher in Foundations of Math 11, or Pre-Calculus 11

Topics in this course include a large financial mathematics component, logical reasoning, probability, and relations (including polynomials, exponential and logarithmic functions, and sinusoidal functions).

**PRE-CALCULUS 12** (MPREC12)

Pre-requisite: Pre-Calculus 11 with a final mark of 60% or higher

Topics include trigonometry using degrees and radians, trigonometric functions, identities involving trigonometric functions, composite functions, transformations, exponential and logarithmic functions, higher order polynomials, reciprocal and rational functions, and probability.

## **PHYSICAL EDUCATION**

**PHYSICAL & HEALTH EDUCATION 10** (*Replaces PE 10*) (MPHED10) The aim of this course is to provide opportunities for all students to develop knowledge, movement skills, and positive attitudes and behaviours for living an active, healthy lifestyle. The units of activity will fall under the categories of Individual and Dual Activities (such as Badminton, Weight Training, Pickle Ball, CPR), Team Games (such as Volleyball, Soccer, Football, Minor Games), and Rhythmic Movement (such as Social Dance, Aerobics, Gymnastics).

### **SUPERFIT BASKETBALL 10** (YHRA-0B)

The aim of this course is to help students develop their overall individual basketball skills and knowledge of the game. Students also learn to develop a sport-specific fitness program which includes conditioning and weight-training. Superfit Basketball is a “ninth block” course which meets in the Gym on alternate mornings from 7:15 to 8:15 September through March. This course is not suitable for students who are already involved in multiple sport programs at school or in the community. Pursuing individual strength-training programs, school team sports, and community sport programs at the same time as Superfit Basketball 10 could expose the students to injuries due to overtraining.

### **FITNESS & CONDITIONING 11** (*Replaces Human Performance 11*) (MFTCD11)

Pre-requisite: Physical & Health Education 10

Human performance is an introductory course to Kinesiology. One of the main objectives of this course is to gain an understanding of an overall healthy lifestyle and fitness regimen. This will take into account lifelong fitness habits and sport-specific training. Other components of the course involve human anatomy, prevention and care of injuries, nutrition, enhancement of health through play and study, evaluation of physical and health education, weight management, performance-enhancing drugs, and the mental side of human performance. In the fitness component, we will be looking at performing a variety of activities (cross training, weight training, and cardiovascular activities) that will push students to their limits. Students will benefit from this course if they are interested in how the human body works or if they wish to pursue a career in physical education, athletic training, massage therapy, or nutrition.

### **OUTDOOR EDUCATION FITNESS 11** (YHRA-1C)

This course is part of the Outdoor Education program, which has students take four courses with one instructor for the entire spring semester. The course provides students with training in a variety of pursuits, including hiking, indoor rock climbing, map & compass navigation, winter travel, canoeing, and other outdoor skills deemed appropriate by the instructor. There will also be a strong cultural component with students learning about local First Nations cultures, local ecosystems and their associated flora and fauna.

### **OUTDOOR EDUCATION 11** (MODED11)

This course is part of the Outdoor Education program, which has students take four courses with one instructor for the entire spring semester. Recreation Physical Education is designed to enhance the participant’s learning ability, self-confidence, and self-discipline. The course is an adventure in excellence where individuals can challenge themselves mentally, physically, socially, emotionally, and culturally. The students will learn to utilize the outdoors as a classroom and incorporate many skills to live an active and healthy lifestyle.

### **OUTDOOR EDUCATION 12** (MODED12) **Description??**

**ACTIVE LIVING 11** (*Replaces PE 11*) (MACLV11)

Pre-requisite: Physical & Health Education 10

The aim of this course is to develop and apply the individual's skills and knowledge in a wide variety of activities. Since this is an elective course, students choosing it are indicating a desire to commit to learning and applying the rules and strategies of a number of activities and to developing their skills. There is an emphasis on physical fitness attainment and maintenance.

**SUPERFIT BASKETBALL 11** (YHRA-1B)

Prerequisite: Superfit Basketball 10

This class is designed specifically for individuals who are committed to fitness and basketball. If you are looking to improve your basketball skills, this course will help you accomplish that. Topics in the class include individual basketball programs (fitness and skill development), team strategies, prevention and care of injuries, nutrition, and harmful effects of performance-enhancing substances. Individual and team goals will also be stressed in this course. Superfit Basketball is a "ninth block" course which meets in the Gym on alternate mornings from 7:15 to 8:15 September through March. This course is not suitable for students who are already involved in multiple sport programs at school or in the community. Pursuing individual strength-training programs, school team sports, and community sport programs at the same time as Superfit Basketball 10 could expose the students to injuries due to overtraining.

**FITNESS & CONDITIONING 12** (*Replaces Human Performance 12*) (MFTCD12)

Human performance is an introductory course to Kinesiology. One of the main objectives of this course is to gain an understanding of what an overall healthy lifestyle and fitness looks like. This will take into account lifelong fitness habits and sport specific training. Other components of the course involves human anatomy, prevention and care of injuries, nutrition, enhancement of health through play and study, evaluation of physical and health education, weight management, performance enhancing drugs, and the mental side of human performance. Those pursuing a career in physiotherapy, physical education, athletic training, massage therapy, nutrition, and/or if you are just interested on how the human body works will benefit from this course. In the fitness component, we will be looking at performing a variety of activities (cross training, weight training, and cardiovascular activities) that will push you to your limits.

**ACTIVE LIVING 12** (*Replaces PE 12*) (MACLV12)

Pre-requisite: Active Living 11

A wide variety of leisure, and lifetime activities are introduced in this course, and the activities covered in Physical Education 11 are continued.

**SUPERFIT BASKETBALL 12** (YHRA-2B)

Pre-requisite: Superfit Basketball 11

This class is designed specifically for individuals who are committed to fitness and basketball. If you are looking to improve your basketball skills, this course will help you accomplish that. Topics in the class include individual basketball programs (fitness and skill development), team strategies, prevention and care of injuries, nutrition, and harmful effects of performance-enhancing substances. Individual and team goals will also be stressed in this course. Superfit Basketball is a "ninth block" course which meets in the Gym on alternate mornings from 7:15 to 8:15 September through March. This course is not suitable for students who are already involved in multiple sport programs at school or in the community. Pursuing individual strength-training programs, school team sports, and community sport programs at the same time as Superfit Basketball 10 could expose the students to injuries due to overtraining.

**SCIENCE**

**SCIENCE 10** (MSC—10)

This course is divided into four areas of study:

- Biology—Biomes, Ecosystems, Effects on Ecosystems
- Chemistry—Chemical Compounds, Chemical Reactions, Acids and Bases, Reaction Rate and Nuclear Reactions
- Physics—Motion, Velocity, Acceleration
- Earth Science—Heat Transfer, Weather, Plate Tectonics

**LIFE SCIENCES 11** (*Replaces Biology 11*) (MLFSC11)

Pre-requisite: Science 10 with a mark of 60% or higher

Biology is a scientific discipline that studies a great variety of organisms. The three themes selected for Life Sciences 11 are unity and diversity, evolution, and ecological relationship. Topics for Life Sciences 11 are adaptation and evolution, microbiology, mycology, plant biology, animal biology, and ecology.

**CHEMISTRY 11** (MCH—11)

Pre-requisite: Science 10 with a mark of 60% or higher

Chemistry is the science that deals with the properties and reactions of materials. It is concerned with the identification, characterization, and transformations of matter, and with the energy changes accompanying these transformations. Topics for Chemistry 11 include atoms, molecules, and ions; mole concept; chemical reactions; atomic theory; solution chemistry; and organic chemistry.

**EARTH SCIENCE 11** (MESC—11)

Pre-requisite: Science 10

This course introduces students to skills associated with geology, geography, and environmental science. Hands-on projects and field work are important components of this course. Topics for Earth Science 11 are geology, mining, weather, snow science, environmental science, and geographical science (mapping/orienteering). The geography and geology sections of the course will focus on the Northwest.

**PHYSICS 11** (MPH—11)

Pre-requisites: Science 10 with a mark of 60% or higher; Foundations Mathematics & Pre-Calculus 10

Physics 11 is an introductory course that focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrates the relationship between theory and application. The application of physics to everyday situations is highlighted. Topics for Physics 11 include wave motion and geometrical optics, kinematics, dynamics in one dimension, energy, special relativity, nuclear fission and fusion. Students weak in math will find Physics difficult.

**ENVIRONMENTAL SCIENCE 11** (*Replaces Sustainable Resources 11*) (MEVSC11)

Pre-requisite: Science 10

Environmental Science 11 is an introductory course that describes the relationships between society and forest ecosystems as well as identifying essential elements required for forest management and the creation of forest products. Sustainable Resources 11 encourages the study of forests in a local context and from a provincial perspective. Topics in Sustainable Resources 11 are forests and society, forest ecology, plant biology, plant identification, animals, measurement, land-use planning, forest management, and forest products.

**ANATOMY AND PHYSIOLOGY 12** (*Replaces Biology 12*) (MATPH12)

Pre-requisite: Life Sciences 11 with a mark of 60% or higher

Biology 12 focuses on human biology, allowing students to develop an interest in and understanding of science by looking at how the diverse body systems are integrated to maintain homeostasis. Laboratory skills are essential. These skills are developed in lab activities that focus on the hypothetical as well as the practical. An emphasis on the processes of science is integral to the

complete study of Biology 12. The order of learning outcomes follows a sequence from cell structure and simple, biochemical processes to the organ systems themselves. Topics for Biology 12 are cell biology, cell processes and applications, and human biology.

### **CHEMISTRY 12 (MCH—12)**

Pre-requisite: Chemistry 11 with a mark of 60% or higher

The concepts and principles introduced in Chemistry 11 are developed further. The learning outcomes for Chemistry 12 are grouped under five curriculum organizers: reaction kinetics; dynamic equilibrium; solubility equilibria; acids, bases, and salts; and oxidation-reduction.

### **GEOLOGY 12 (MGEOL12)**

Prerequisite: Life Sciences 11, or Chemistry 11, or Physics 11

With the growing importance of mineral and energy resources in British Columbia, the discipline of geology is becoming increasingly important. Field and laboratory work are integral to this course. Topics for Geology 12 are earth materials, time and the fossil record, internal processes and structures, surficial processes, and comparative planetology.

### **PHYSICS 12 (MPH—12)**

Pre-requisites: Physics 11 and Pre-Calculus 11 with marks of 60% or higher

Physics 12 is the study of classical mechanics and electromagnetism. Designed to help students develop analytical and problem-solving skills, it provides opportunities for students to understand and apply the principles and concepts of physics to practical situations. Topics for Physics 12 are vector kinematics in two dimensions; dynamics; vector dynamics; work, energy and power; momentum; equilibrium; circular motion; gravitation; electrostatics; electric circuits; and electromagnetism.

## **SECOND LANGUAGES**

### **FRANÇAIS LANGUE 10 (FFRAL10)**

This course is a continuation of the integrated study of all aspects of learning the French language begun in the lower grades. It includes the study of literature.

### **FRENCH 10 (MFR—10)**

Students will increase their oral and written skills in the French language. Students will be introduced to more difficult grammatical structures and vocabulary and to more sophisticated French literature.

### **ÉTUDES REGIONALES ET ETHNIQUES 11 (YFAES-1B)**

This course provides French Immersion students with the sixth course they need to satisfy the requirements for the Dual Dogwood. The course focuses on the cultures of various Francophone countries and regions.

### **FRANÇAIS LANGUE 11 (FFRAL11)**

Pre-requisite: *Français langue 10*

This is a continuation of the integrated study of all aspects of learning the French language begun in the lower grades. It includes the study of literature.

### **FRENCH 11 (MFR—11)**

Pre-requisite: French 10

More fluency of speech and the acquisition of some difficult grammatical structures are the core of this course. More vocabulary, several new tenses, and written work are studied.

### **INTRODUCTORY SPANISH 11 (MBSP-11)**

Designed to introduce students to the Spanish language, this course exposes students to both written and oral Spanish language within a social and cultural context. Students will gain an

appreciation of skills and attitudes used in communicating and evaluating thoughts and feelings through oral and written language.

**FRANÇAIS LANGUE 12** (FFRAL12)

Pre-requisite: *Français langue 11*

This course completes the French language requirements for French Immersion students. The mandatory provincial examination is worth 40% of the final mark.

**SOCIAL STUDIES**

**SCIENCES HUMAINES 10** (FSCH-10)

This course is the required Social Studies course for French Immersion students. Its content covers the same topics as those covered in Social Studies 10.

**SOCIAL STUDIES 10** (MSS—10)

Social Studies 10 examines the development of modern Canada and its role in international affairs. Topics in the course include World War I and World War II, global conflicts, dictatorships, economic development, social and cultural trends, human rights, human geography, active citizenship, and Canadian identity. Through this course, students will be introduced to theme they can further explore in senior courses offered in the Social Studies Department.

**PSYCHOLOGY 11** (YPSYC1A)

Pre-requisite: Social Studies (or *Sciences humaines*) 10

This course focuses on individual behaviour. Emphasis will be placed on the history of psychology, stages in childhood and adolescence, how the brain works, psychological testing, and psychological disorders. This course will provide students with a better understanding of human behaviour and will help to improve personal self-awareness through case studies, films, and participatory activities.

**SCIENCES HUMAINES 11** FSCH-11)

Pre-requisite: *Sciences humaines* 10

This course is the required Social Studies course for French Immersion students.

**BC FIRST PEOPLES 12** (*Replaces BC First Nations 12*) (MBCFP12)

Pre-requisite: Social Studies (or *Sciences humaines*) 10 or 11

This course aims to teach history and current events from a First Nations perspective. The course focuses on First Peoples of British Columbia. Components of the course include projects and may include field trips.

**COMPARATIVE CULTURES 12** (expected code: MCMCL12)

Pre-requisite: Social Studies (or *Sciences humaines*) 10 or 11

Comparative Cultures is a project-based learning course, Learners could potentially examine the Mayan bloodletting rituals, the art of Vatican City, and the witch hunts of the 1500's. Topics include belief systems, art, language, myths, agriculture, conflict, and architecture. The main goal of the course is to help students connect with the rich cultures that inhabit this world and explore the unwritten histories discovered by archaeologists. The course may include field trips into the local community.

**GENOCIDE STUDIES 12** (MGENO12)

Pre-requisite: Literary Studies 11 or Social Studies (or *Sciences humaines*) 11

Genocide Studies 12 will analyze targeted mass murder by studying the economic, political, social, and cultural conditions of genocide. Possible case studies include the Armenian genocide; the Holocaust; genocides in Cambodia, Rwanda, Bosnia, Darfur, and Indonesia; and pre-modern genocides. Course content may be delivered through novel studies, films, documentaries,

testimonials, forensics, lectures, and discussions. The course will be analysis, inquiry, research, and project focused. The course will reveal that, despite many international efforts to contain this form of mass violence, genocides remain one of the most enduring challenges of humanity.

### **LAW STUDIES 12** (*Replaces Law 12*) (MLST-12)

Pre-requisite: Social Studies (or *Sciences humaines*) 10 or 11;  
recommended to be taken in Grade 12

Law Studies 12 offers students the opportunity to learn about their rights and responsibilities within the Canadian legal system. Through participation in field trips, guest lectures, videos, and presentations as well as text work, the students will become familiar with Canadian law.

### **PSYCHOLOGY 12** (YPSYC2A)

Pre-requisite: Psychology 11

An Introduction To Abnormal And Deviant Behavior. In a continuation of Psychology 11, this course examines behaviours that fall outside what is considered “normal” behaviour. Examination of society’s structures and institutions, groups and group behaviour, roots of aggression, discrimination, and anti-social behaviour are the broader topics that to be studied. Some of the more specific subjects include cults, serial killers, psychopathy, and peer pressure. This course will involve more in-depth analysis of well-known people with deviant personality disorders.

### **SOCIAL JUSTICE 12** (MSJ—12)

Pre-requisite: Social Studies (or *Sciences humaines*) 10 with a mark of 60% or higher, or Social Studies (or *Sciences humaines*) 11

Globalization? Terrorism? Disease and war? Environmentalism? Automation? Human rights? Political turmoil? Social media? What do they mean? Why do they matter? The world is changing at a faster pace than during any other period in history. Our values and worldviews are being challenged. Whether or not we realize it, the events that happen across the world affect Canada and have an impact on our day-to-day lives. Social Justice 12 aims to bring understanding of these changes through case studies, current events, and student-chosen topics. Possible themes in the course include global conflicts, artificial intelligence, technology, climate change, food crises, world poverty, sexism, and social movements. Social Justice 12 will be a project-based course involving the use of analysis, multimedia skills, and research.

### **20<sup>th</sup> CENTURY WORLD HISTORY 12** (MWH-12)

Pre-requisite: Social Studies (or *Sciences humaines*) 10 or 11

This course examines modern world history from a global perspective. Possible topics include but are not limited to

- World Wars I & II and other conflicts
- Military strategies and technology
- The rise of Fascism and authoritarian regimes
- The Cold War and the Superpowers
- Unrest in Asia, Africa, and elsewhere
- Civil disobedience and human rights movements
- Social and cultural trends, such as immigration, consumerism, and popular entertainment