

Course Calendar 2022 – 2023

(2018 Graduation 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, unless their personal education plan and goals do not require this. 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 you 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.

Pages	Topics
4	Graduation Requirements
5 – 6	Graduation Plan Overview
7 – 11	Potential Courses
12 – 13	Special Programs
14	Learner Support
	Course Descriptions:
15 – 16	Applied Design, Skills, & Technologies—Home Economics
16 – 19	Applied Design, Skills, & Technologies—Trades
20 – 21	Arts Education—Drama
22 – 23	Arts Education—Music
23 – 26	Arts Education—Visual Arts
27	Career Education
27 – 28	English Language Arts
29 – 30	Mathematics
31 – 33	Physical Education
33 – 34	Science
34 – 35	Second Languages
35 – 37	Social Studies

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 10
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 & Health 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, support blocks, or in approved cases, off campus 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.

Career Life Connections and the Capstone Project are part of the requirements for graduation. At Caledonia, students have three options for earning these credits:

- 1) through occasional “pull-out” sessions during Flex and/or class time *
- 2) through a registered Work Experience course
- 3) through Distance Learning

* This option involves students completing the CLC 12 portion during their Grade 11 year and the Capstone Project during their Grade 12 year.

Students should see their counsellors and Ms. Braid for more information

In order to graduate, students must also write the Literacy Assessments and Numeracy Assessment. At Caledonia, students are scheduled to the first Literacy Assessment in the term in which they are taking their English Language Arts 10 course; their Numeracy Assessment in the term in which they are taking their Mathematics 10 course; and their second Literacy Assessment in the term in which they are taking their English Language Arts 12 course.

Here is a typical Graduation Plan Overview:

GRADE TEN

- 1 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 10
- 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 English First Peoples 12 OR Comparative Cultures 12
OR *Sciences humaines* 11 (French Immersion) OR Social Justice 12
OR 20th 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
- 5 Grade 10/11 Elective
- 6 Grade 10/11 Elective
- 7 Grade 10/11 Elective
- 8 Grade 10/11 Elective

GRADE TWELVE

- 1 English Studies 12 OR English First Peoples 12
- 2 Career Life Connections & Capstone
- 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

Food Studies 10

Textiles 10

Culinary Arts 11

Food Studies 11

Textiles 11

Food Studies 12

Textiles 12

Applied Design, Skills, & Technologies—Trades and Technology

Trades & Technology Level I: Grade 10 Courses

Automotive Technology Level I: Power Technology 10

Drafting Level I: Drafting 10

Explore: Trades Sampler 12A & 12B **

Metalwork Level I: Metalwork 10

Woodwork Level I: Woodwork 10

Art Metal & Jewelry

Level I: Art Metal & Jewelry 12

Automotive Technology

Level II: Automotive Technology 11

Level III: Automotive Technology 12

Level IV: Engine & Drivetrain 12

Drafting

Level II: Drafting 11

Level III: Drafting 12

Electronics/Robotics

Level I: Electronics 11

Level II: Electronics 12

Metalwork

Level II: Metalwork 11

Level III: Metalwork 12

Level IV: Machining & Welding 12

Pre-Engineering

Level I: Engineering 11

Level II: Engineering 12

Applied Design, Skills, & Technologies—Trades and Technology (cont'd)

Woodworking

- Level II: Woodwork 11
- Level III: Woodwork 12
- Level IV: Furniture & Cabinetry 12

Arts Education—Drama

- Drama 10
- Musical Theatre 10 *
- Musical Theatre Production 10

- Directing & Script Development 11
- Drama 11
- Musical Theatre 11 *
- Musical Theatre Production 11

- Directing & Script Development 12
- Drama 12
- Musical Theatre 12 *
- Musical Theatre Production 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

- Art Studio 10
- Media Arts 10
- Northwest Coast Art & Design 10

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

Arts Education—Visual Arts (cont'd)

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

Career Education

Career Life Education 10

Education Assistant 11 **

Entrepreneurship 12
Introduction to Health Practices
Transitions to Adulthood 12

English Language Arts

English 10 (Composition & Literary Studies)
English First Peoples 10 (Literary Studies & Writing)

English First Peoples Literary Studies & Writing 11
Literary Studies 11

English First Peoples 12
English Studies 12

Mathematics

Foundations of Math & Pre-Calculus 10
Workplace Math 10

Foundations of Math 11
Pre-Calculus 11
Workplace Mathematics 11

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

Physical Education

Physical & Health Education 10
Principles of Sport 10 – Basketball *
Superfit 10

Active Living 11
Fitness & Conditioning 11
Outdoor Education 11 ** (part of the Outdoor Education program)
Principles of Sport 11 – Basketball *
Superfit 11

Active Living 12
Fitness & Conditioning 12
Outdoor Education 12 ** (part of the Outdoor Education program)
Principles of Sport 12 – Basketball *
Superfit 12

Science

Science 10

Chemistry 11
Earth Science 11
Environmental Science 11
Life Sciences 11
Physics 11

Anatomy and Physiology 12
Chemistry 12
Geology 12
Physics 12

Second Languages

Français langue seconde-immersion 10
French 10

Études régionales et ethniques 11
Français langue seconde-immersion 11
French 11
Introductory American Sign Language 11
Introductory Spanish 11

Français langue seconde-immersion 12
French 12

Social Studies

Sciences humaines 10 (French Immersion)
Social Studies 10

Psychology 11

BC First Peoples 12

Comparative Cultures 12

Genocide Studies 12

Géographie Humaine 12 (French Immersion)

Law Studies 12

Psychology 12

Social Justice 12

20th Century World History 12

SPECIAL PROGRAMS

EXPLORE: TRADES SAMPLER

During Semester 2, Grade 10 students alternate 10 weeks of trades training at Coast Mountains 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 regionales 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 or 12 students spend the entire 20 weeks with one teacher, earning credit for

- Literary Studies 11 or English Studies 12
- Environmental Science 11 or Geology 12
- Outdoor Education 11
- Outdoor Education 12

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

WORK IN TRADES

The Work in Trades 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 Coordinator.

TRAIN IN TRADES

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 Train in Trades program, they are registered as students of NTETC and are off the Caledonia Secondary School register.

LEARNER SUPPORT

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 five 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

FOOD STUDIES 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)

This course will explore a wide variety of beginner skills related to producing both practical and creative projects in textiles and the fibre arts. Students will learn to use the creative process and design principles with both hand and machine tools to gain textile knowledge and skill with a variety of practices including: working with a pattern, alterations and mending, culturally-based textile traditions, knitting/crochet or weaving, and other themes.

CULINARY ARTS 11 (MCUL-11)

Prerequisite: Food Studies 10 or 11.

This is a course that uses food to create artistic plate presentations, which are photographed in a studio setting. It is suited to those who want to explore their passion for cooking and baking and who want to expand their repertoire of skills. It requires attention to detail, precision, coordination, and a willingness to try new techniques. Students will learn and apply the elements and principles of design to their food compositions and use vocabulary not commonly used in other Foods and Nutrition classes. 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.

Evaluation:

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

FOOD STUDIES 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)

Prerequisite: None, but Textiles 10 is recommended

This course is designed for advanced beginner and intermediate level sewists. It will explore both practical and creative projects in textiles and the fiber arts to further develop student skills. Students will use the creative process and design principles with both hand and machine tools to extend their knowledge and skills of textiles and fibre arts by modifying a pattern, exploring upcycling, culturally-based textile traditions, knitting/crochet or weaving, and other themes.

FOOD STUDIES 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.

APPLIED DESIGN, SKILLS, & TECHNOLOGIES—HOME ECONOMICS (cont'd)

TEXTILES 12 (MTXT-12)

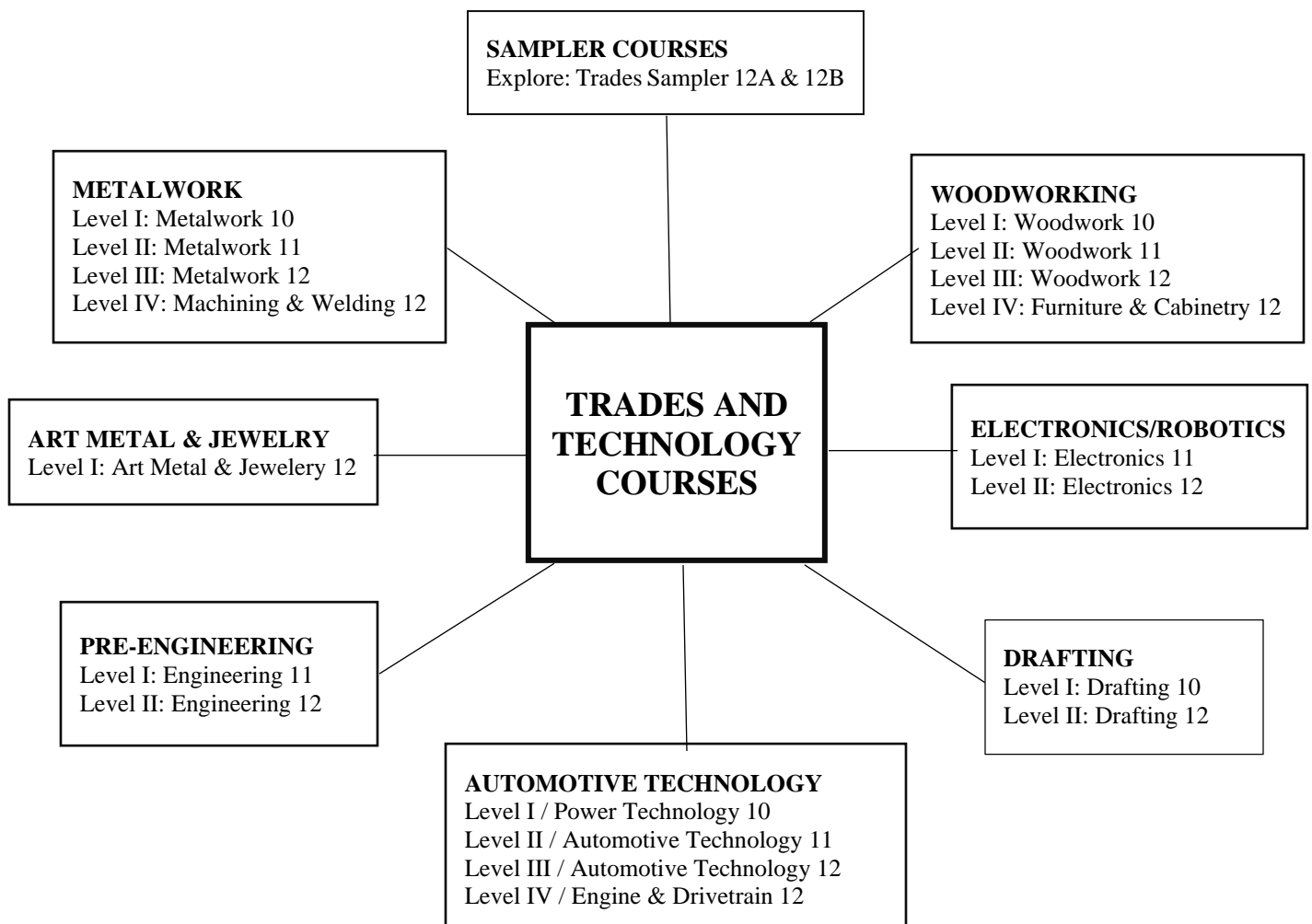
Prerequisite: None, but Textiles 11 is recommended

This course is for intermediate to advanced level sewists. It builds student skills related to producing both practical and creative projects in textiles and the fiber arts in ways that explore the full design cycle. Through extended independent projects, students will continue to advance their skills through the creative process and design principles. They will use both hand and machine tools to deepen their textile knowledge and skill with practices including: patterns, upcycling, culturally-based textile traditions, knitting/crochet or weaving, and other themes. Projects will also investigate ideas about sustainability in the textile related industries as well as future career opportunities in this field. Students are expected to be extremely self-motivated to support their success in this course.

APPLIED DESIGN, SKILLS, & TECHNOLOGIES—TRADES

Technology Education courses at Caledonia are broken down into levels of experience. All students will start their training in any particular field in a Level I course, regardless of their grade. Once a student has successfully completed a level, they may proceed to the next level. All technology education courses at Caledonia emphasize safety in the workplace and employability skills.

It is recommended that all technology education students take at least Level I Drafting, as this will be of considerable use in all other courses.



Trades & Technology Level I: Grade 10 courses

AUTOMOTIVE TECHNOLOGY LEVEL I: POWER TECHNOLOGY 10 (MTPOW10)

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.

This course is recommended for students intending to continue with higher-level Auto Technology courses.

DRAFTING LEVEL I: DRAFTING 10 (MTDRF10)

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 Coast Mountains 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.

METALWORK LEVEL I: METALWORK 10 (MTMET10)

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 a generalized knowledge of procedures, rather than a focused course of study. The course involves both classroom and shop-based work, with emphasis on hands-on work and project-based assessment. Students must provide their own safety glasses for this course and are responsible for the cost of materials.

WOODWORKING LEVEL I: WOODWORK 10 (MWWK-10)

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

Art Metal & Jewelry

LEVEL I: ART METAL & JEWELRY 12 (MTAMJ12)

This course will introduce students to foundational concepts and techniques used to create one-of-a-kind jewelry and art metal projects. Students will be required to familiarize themselves with a broad-range of machines and tools used in a metal working shop. This course involves both classroom and shop-based work with emphasis on hands on activities and project-based participation.

Automotive Technology

LEVEL II: AUTOMOTIVE TECHNOLOGY 11 (MTAUT11)

*It is recommended that students take Level I (Power Technology 10) before taking this course.

This course level primarily focuses on vehicle maintenance (engine lubrication, engine cooling, batteries, ignition systems, fuel systems, etc.). This is accomplished by 40% classroom and 60% service floor work.

Automotive Technology (cont'd)

LEVEL III: AUTOMOTIVE TECHNOLOGY 12 (MTAUT12)

Pre-requisite: Level II: Automotive Technology 11

This level emphasizes operational and repair procedures, and examines automotive brakes systems, electrical systems principles of operation, and repair techniques through practical application. It also covers the service and repair procedures of driveline and engine components.

LEVEL IV: ENGINE & DRIVETRAIN 12 (MTEAD12)

Pre-requisite: Level III: Automotive Technology 12

This advanced course requires considerable automotive background and independence. Students will focus on personal project work (engine swaps / rebuilds, bodywork, suspension upgrades, etc.). Entry in this course requires instructor permission.

Drafting

Drafting is essential in all Trades and Engineering careers.

LEVEL II: DRAFTING 11 (MTDRF11)

Recommended prerequisite: Drafting Level I: 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. There will be an emphasis on careers and trades that require an understanding of drafting and computer-based design.

LEVEL III: DRAFTING 12 (MTDRF12)

Pre-requisite: Level II: Drafting 11

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

Electronics/Robotics

LEVEL I: 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.

LEVEL II: ELECTRONICS 12 (MTELE12)

Pre-requisite: Level I: Electronics 11

This is an extension of Level I / Electronics 11. Students will design and build 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.

Metalwork

LEVEL II: METALWORK 11 (MTMET11)

Prerequisite: Level I: Metalwork 10

This course will cover basic metal working theory, machining, sheet metal fabrication, welding, forging, and casting. The choice of project is open to the student, but must fulfill the criteria set by the instructor, with consultation. Students are responsible for cost of materials used in their chosen projects.

Metalwork (cont'd)

LEVEL III: METALWORK 12 (MTMET12)

Pre-requisite: Level I: Metalwork 11

This course is a continuation of the Level 2 course as well as more advanced theory of metalwork. The projects that are built must include the techniques that will be laid out for the student either in a large project or several smaller projects. Students are responsible for cost of materials used in their chosen projects.

LEVEL IV: MACHINING & WELDING 12 (MTMAW12)

Pre-requisite: Level III: Metalwork 12

This course is an extension of Level 3, 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 at this level. Students are responsible for cost of materials used in their chosen projects.

Pre-Engineering

LEVEL I: ENGINEERING 11 (MENR-11)

This course is designed for students who are interested in pursuing a career in engineering. We will study principles of engineering and physics, as well as practical applications of those disciplines. Simple (and more complicated) machines, design, builds, problem-solving, and testing of materials will all be part of this course.

LEVEL II: ENGINEERING 12 (MENR-12)

Pre-requisite: Level I: Engineering 11

We will study principles of engineering and applied physics, with continued work on advanced machines, design, builds, problem-solving, and testing of materials.

Woodworking

LEVEL II: WOODWORK 11 (MWWK-11)

Pre-requisite: Level I: Woodwork 10

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

LEVEL III: WOODWORK 12 (MWWK-12)

Pre-requisite: Level II: Woodwork 11

This course builds on the woodworking skills developed in earlier levels with a focus on more advanced joinery techniques, design, and finishing. Students will start the year with a mandatory review/skill building project.

LEVEL IV: FURNITURE AND CABINETRY 12 (MTFAC12)

Pre-requisite: Woodwork 11

This is a project-driven course. Students 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 are responsible for the cost of materials.

If you would like to take any Technology Education course at a more advanced level than you see here, or to be a Teacher's Assistant, speak to your counsellor to see if this is possible.

ARTS EDUCATION—DRAMA

DRAMA 10 (MDRM-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, either on stage, or in the pit band. ***This course has an audition process. If you choose this course, you are signing up to audition for either a role on stage OR in the Pit Band. Only those students who are chosen from the audition process will be enrolled in the course.*** The focus of the course 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 the amount of acting, singing, dancing or performing on a particular instrument in the pit band. Class sessions and rehearsals are held after school Monday through Friday plus Sunday afternoons.

MUSICAL THEATRE PRODUCTION 10 (MDRD-10)

Want to help bring a musical theatre production to life? Musical Theatre Production 10 is for students interested in an *offstage role* in supporting Caledonia's Musical Theatre performance in December. Students who enroll in this course will have the opportunity to research costumes, hairstyles, and set dressing ideas for the production. They will have the opportunity to paint set and create hand props that may be used onstage. As well, they will be a part of the backstage support team on show nights – being a stagehand, a member of the hair and makeup crew, or the front-of-house team. Running outside the timetable, this x-block course takes place outside the regular hours of the school day.

DIRECTING & SCRIPT DEVELOPMENT 11 (MTPDS11)

Pre-requisite: Drama 11

This is a course for students who want to venture into the writing and directing of plays. As playwrights and directors, students will learn about the writing process; various script techniques; forms and styles; developing character and themes; working with a cast and crew; and preparing for performance.

**Runs within Drama 11/12 course*

DRAMA 11 (MDRM-11)

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, either on stage, or in the pit band. ***This course has an audition process. If you choose this course, you are signing up to audition for either a role on stage OR in the Pit Band. Only those students who are chosen from the audition process will be enrolled in the course.*** The focus of the course 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 the amount of acting, singing, dancing or performing on a particular instrument in the pit band. Class sessions and rehearsals are held after school Monday through Friday plus Sunday afternoons.

ARTS EDUCATION—DRAMA (cont'd)

MUSICAL THEATRE PRODUCTION 11 (MDRTP11)

Want to help bring a musical theatre production to life? Musical Theatre Production 11 is for students interested in an *offstage role* in supporting Caledonia's Musical Theatre performance in December. Students who enroll in this course will have the opportunity to research costumes, hairstyles, and set dressing ideas for the production. They will have the opportunity to paint set and create hand props that may be used onstage. As well, they will be a part of the backstage support team on show nights – being a stagehand, a member of the hair and makeup crew, or the front-of-house team. Running outside the timetable, this x-block course takes place outside the regular hours of the school day.

DIRECTING & SCRIPT DEVELOPMENT 12 (MTPDS12)

Pre-requisite: Directing & Script Development 11

Students will refine their skills as playwrights and directors. They will learn more about finding their own voice, establishing an overall vision in their work, working with cast and crewmembers, publishing their work, using scripts as social commentary, and directing as an art form.

**Runs within Drama 11/12 course*

DRAMA 12 (MDRM-12)

Pre-requisite: Drama 11

Students will build on the acting skills they developed in Drama 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, either on stage, or in the pit band. ***This course has an audition process. If you choose this course, you are signing up to audition for either a role on stage OR in the Pit Band. Only those students who are chosen from the audition process will be enrolled in the course.*** The focus of the course 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 the amount of acting, singing, dancing or performing on a particular instrument in the pit band. Class sessions and rehearsals are held after school Monday through Friday plus Sunday afternoons.

MUSICAL THEATRE PRODUCTION 12 (MDRTP12)

Want to help bring a musical theatre production to life? Musical Theatre Production 12 is for students interested in an *offstage role* in supporting Caledonia's Musical Theatre performance in December. Students who enroll in this course will have the opportunity to research costumes, hairstyles, and set dressing ideas for the production. They will have the opportunity to paint set and create hand props that may be used onstage. As well, they will be a part of the backstage support team on show nights – being a stagehand, a member of the hair and makeup crew, or the front-of-house team. Running outside the timetable, this x-block course takes place outside the regular hours of the school day.

ARTS EDUCATION—MUSIC

Students enrolled in Instrumental or Choral Music courses must be willing to accept the responsibilities of being in these courses. 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 (MMUCC10)

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 (MMUCB10)

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 (MMUJB10)

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.

ARTS EDUCATION—MUSIC (cont'd)

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

ART STUDIO 10 (MVA10)

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.

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.

ARTS EDUCATION—VISUAL ARTS (cont'd)

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.

ART STUDIO 11 (MVAST11)

Pre-requisite: none

This is a standard regular Art 11 overview course that focuses on 2D & 3D works. It is geared towards beginner and intermediate art students. The focus is on how to draw, paint (acrylic, watercolour, mixed-media), and sculpt (assemblage, ceramics) in a variety of media. The fundamentals of design and how to use colour 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 field trips 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.

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 (MVAD-11)

Pre-requisite: Art Studio 11 or permission of the instructor

This is an art course for serious art students. It concerns two-dimensional (2D) art materials and design. It is a hands-on Art course for students who are intent on developing their two-dimensional art and design skills in drawing, painting, art history and printmaking among other aspects. Projects vary from semester to semester. Several weeks are devoted to independent, free-choice projects. Outdoor art and Art Gallery field trips are usually included with this 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 11 is offered as a "ninth-block" course (outside the regular school day).

ARTS EDUCATION—VISUAL ARTS (cont'd)

YEARBOOK EDITOR 11 (code not available)

This is offered as a course within the timetable, and there are two editor positions available: 1st Semester Editor and 2nd 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 (MVA12)

Pre-requisite: Art Studio 11

This is a standard regular Art 12 course that has a 2D & a 3D FOCUS. 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 field trips 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.

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.

ARTS EDUCATION—VISUAL ARTS (cont'd)

STUDIO ARTS 2D 12 (MVAD-12)

Pre-requisite: Studio Arts 2D 11

2D FOCUS This is an advanced drawing and painting course for serious art students. Other aspects, such as printmaking and Art history 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.

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 the yearbook teacher 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: 1st Semester Editor and 2nd 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

CAREER LIFE EDUCATION 10 (MCLE-10)

This course launched 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.

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.

ENTREPRENEURSHIP 12 (MENT-12)

This course is designed to help students evaluate the skills and commitment necessary to operate successful business and review the challenges and rewards of entrepreneurship. Students will learn about themselves, their decisions, and their goals to determine how entrepreneurship can play a role in their lives. Students will be introduced to the concepts of economics, environmental sustainability and social entrepreneurship. Community mentors will help students develop business plans.

CAREER EDUCATION (cont'd)

INTRODUCTION TO HEALTH PRACTICES (MSTX-1A)

This course provides with an overview of a range of health careers and the building of foundational health related knowledge through direct engagement with healthcare professionals, classroom and hands-on laboratory work, and may include tours and excursions of various healthcare facilities. Students will learn about the interrelationship/complementarity of health practices including the physical, social, psychological, cognitive, emotional, spiritual and environmental dimensions of health, the social and Aboriginal determinants of health, lifestyles choices, and environmental health, as well as, the complexity of the change process in relation to health promotion. Successful completion of this course will help students hone their professional aspirations and assist them to develop academic plans towards professional practice in a healthcare setting.

TRANSITIONS TO ADULTHOOD 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. You will complete your Capstone Project required for graduation in this course.

ENGLISH LANGUAGE ARTS

ENGLISH 10 (MCMPS 10 & MLTST 10)

English 10 is divided into two components worth two credits each: Composition 10 and Literary Studies 10. Modes of delivery include short stories, novels, poems, and plays. Students write academic paragraphs and essays, learn research skills, write literary compositions, and engage in discussion.

ENGLISH FIRST PEOPLES 10 (MEFLS10 & MEFWR10)

English First Peoples 10 is divided into two components worth two credits each: Literary Studies 10 and Writing 10. Modes of delivery include short stories, poems, novels, films, documentaries, and plays. It will do so through a First Nations lens to see how texts, stories and media are connected to the past, present and future. Students will learn writing skills related to essays, literary responses, and research using contemporary First Nations and Indigenous materials. This course is equivalent to English 10 Composition and Literary Studies 10.

ENGLISH FIRST PEOPLES LITERARY STUDIES & WRITING 11 (MEFLS11)

Pre-requisite: English 10 or English First Peoples Literary Studies 10

This course will help students build their reading and writing skills through First Nations and Indigenous literature from Canada and around the world. Students will examine themes related to identity, relationships, reconciliation, and representation. Possible modes of delivery may also involve spoken language and new media. Students will learn about important historical and modern issues using authentic First Nations voices including the use of short stories, films, novels, plays, and poems. This course is equivalent to Literary Studies 11.

LITERARY STUDIES 11 (MLTST11)

Pre-requisite: English 10 or English 10 First Peoples

Students study short stories, novels, poems, and plays. They will further develop their skills in reading and writing about literature, and in creating compositions and presentations.

ENGLISH STUDIES 12 (MENST12)

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

Students continue to read and write about literature. They will continue to develop their skills in analysing texts and in original self-expression.

ENGLISH LANGUAGE ARTS (cont'd)

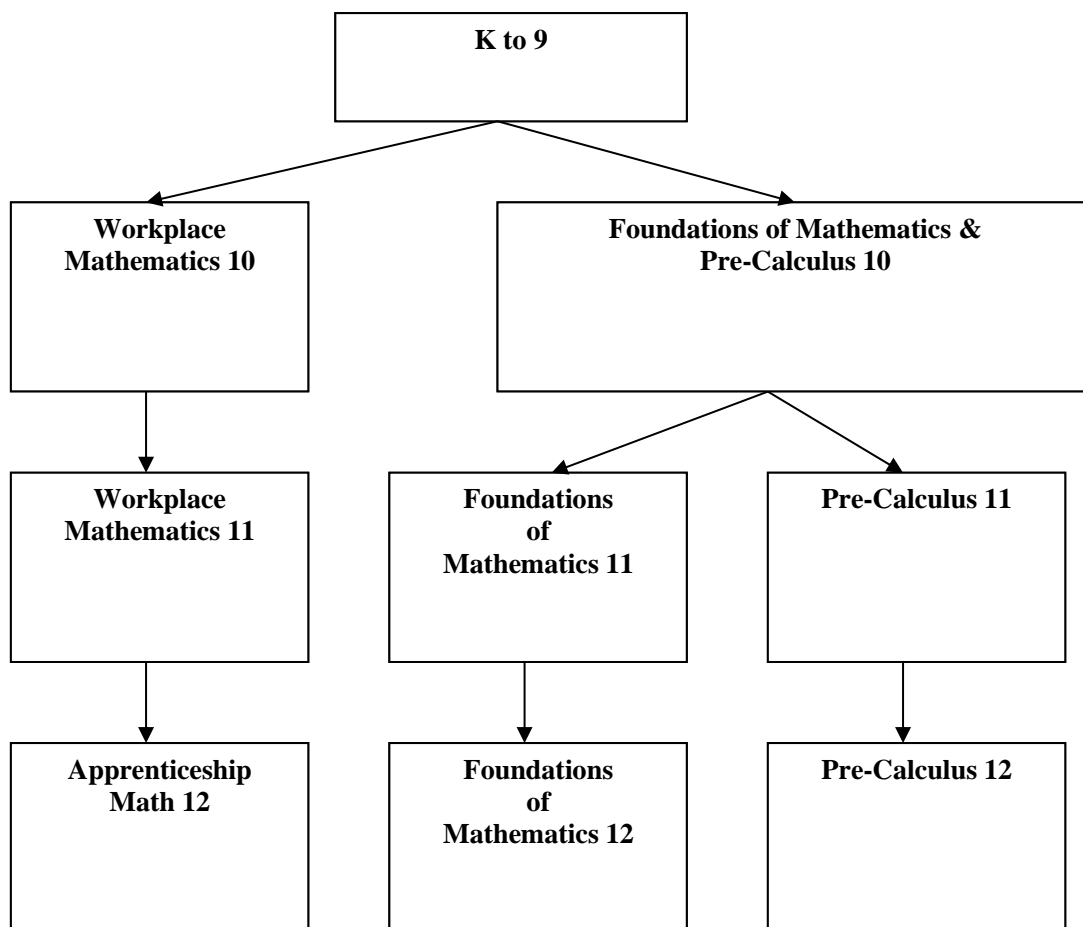
ENGLISH FIRST PEOPLES 12 (MENFP12)

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

Stories are powerful tools in our lives that help us build our identity and establish relationships. Through stories we develop our connections with history, nature and spirituality. English First Peoples 12 will seek to help students to discover their own stories and voices, and to develop their analytical and writing skills through First Nations based literature and prose. Possible themes through this include justice, reconciliation, representation, and the environment. Students may examine short stories, novels, plays, poems, documentaries and social issues using contemporary Indigenous literature and materials. This course is equivalent to English Studies 12.

MATHEMATICS

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



The Workplace 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.

MATHEMATICS (cont'd)

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

Topics in this course include number sets, exponents, polynomials, trigonometry, relations and functions, as well as equations of lines and linear systems. Solid skills in Math 9 are needed to support learning and success in this course. Students earning less than 70% in Math 9 are recommended to enrol in Workplace Math 10.

WORKPLACE MATH 10 (MWPM-10)

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

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.

WORKPLACE MATHEMATICS 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.

APPRENTICESHIP 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 (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).

PRINCIPLES OF SPORT 10 – BASKETBALL (YLRA0A)

Outside the regular timetable, this course aims to build students' basketball skills, attributes, and knowledge as well as to give students insights into lifelong health and wellness, goal-setting, leadership, time management, stress management, communication, and social responsibility. Topics will include physical training, individual skills, team concepts and tactics, mental and physical well-being, sports nutrition, and the relationship to personal development and identity.

SUPERFIT 10 (YHRA-0B)

This class is designed specifically for individuals who are committed to fitness. Topics in the class include individual fitness development, prevention and care of injuries, nutrition, athletic goalsetting and the harmful effects of performance-enhancing substances. Students who are already involved in multiple sport programs at school or in the community are encouraged not to take Superfit. Pursuing individual strength-training programs, school team sports, and community sport programs at the same time as Superfit could expose the students to injuries due to overtraining.

ACTIVE LIVING 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.

FITNESS & CONDITIONING 11 (MFTCD11)

Pre-requisite: Physical & Health Education 10

The main objective of this course is to experience the lifelong benefits of leading a healthy lifestyle with a focus on nutrition and commitment to a regular exercise program. The classroom component includes human anatomy, exercise physiology, care and prevention of injury and an examination of the psychology of human performance. Students who take this course **MUST** be prepared to fully engage in a rigorous and individualized strength and conditioning program. Students will benefit from this course if they want to improve their physical conditioning and emotional wellness, and/or possibly pursue a career in physical education, athletic training, physical therapy massage therapy, or nutrition.

OUTDOOR EDUCATION 11 (MODED11)

This course is part of the Outdoor Education program, in which Grade 11 or 12 students enroll in four courses with one instructor for the entire spring semester. An emphasis will be placed on physical fitness, knowledge, and skills to participate safely and effectively in outdoor pursuits. Students will learn valuable survival and outdoor skills, develop leadership and teamwork skills, gain an understanding of environmental stewardship, and develop an appreciation for nature. There will also be a strong place-based cultural component in the program with students learning about local cultures, local ecosystems and their associated flora and fauna.

PHYSICAL EDUCATION (cont'd)

PRINCIPLES OF SPORT 11 – BASKETBALL (YLRA-1A)

Pre-requisite: Principles of Sport 10 - Basketball

This course, offered outside the traditional timetable, builds on Principles of Sport 10—Basketball. An added area of focus is leadership and having students themselves coach the skills. Through a deep exploration of the sport of basketball, students will acquire insights into lifelong health and wellness.

SUPERFIT 11 (YHRA-1B)

Prerequisite: Superfit 10

This class is designed specifically for individuals who are committed to fitness. Topics in the class include individual fitness development, prevention and care of injuries, nutrition, athletic goalsetting and harmful effects of performance-enhancing substances. Students who are already involved in multiple sport programs at school or in the community are encouraged not to take Superfit. Pursuing individual strength-training programs, school team sports, and community sport programs at the same time as Superfit could expose the students to injuries due to overtraining.

ACTIVE LIVING 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.

FITNESS & CONDITIONING 12 (MFTCD12)

Pre-requisite: Fitness & Conditioning 11

The main objectives of this course is to experience the benefits of leading a healthy lifestyle with a focus on nutrition and commitment to a regular exercise program. The classroom component includes human anatomy, exercise physiology, care and prevention of injury and an examination of the psychology of human performance. Students who take this course MUST be prepared to fully engage in a rigorous and individualized strength and conditioning program. Students will benefit from this course if they want to improve their physical conditioning and emotional wellness, and/or possibly pursue a career in physical education, athletic training, physical therapy massage therapy, or nutrition. Students with credit for MFTCD11 will be encouraged to take their learning to the next level by pursuing work experience credit with a health professional in a related field.

OUTDOOR EDUCATION 12 (MODED12)

Pre-requisite: Outdoor Education 11

This course is part of the Outdoor Education program, in which Grade 11 or 12 students enroll in four courses with one instructor for the entire spring semester. An emphasis will be placed on physical fitness, knowledge, and skills to participate safely and effectively in outdoor pursuits. Students will learn valuable survival and outdoor skills, develop leadership and teamwork skills, gain an understanding of environmental stewardship, and develop an appreciation for nature. There will also be a strong place-based cultural component in the program with students learning about local cultures, local ecosystems and their associated flora and fauna.

PRINCIPLES OF SPORT 12 – BASKETBALL (YLRA-2A)

Pre-requisite: Principles of Sport 10 - Basketball

While this course may build on Principles of Sport 11-Basketball, that course is not a prerequisite. As students continue to build their development of basketball and personal skills, they will also learn how to officiate basketball games.

PHYSICAL EDUCATION (cont'd)

SUPERFIT 12 (YHRA-2B)

Pre-requisite: Superfit 11

This class is designed specifically for individuals who are committed to fitness. Topics in the class include individual fitness development, prevention and care of injuries, nutrition, athletic goalsetting, and harmful effects of performance-enhancing substances. Students who are already involved in multiple sport programs at school or in the community are encouraged not to take Superfit. Pursuing individual strength-training programs, school team sports, and community sport programs at the same time as Superfit could expose the students to injuries due to overtraining.

SCIENCE

SCIENCE 10 (MSC—10)

This course is divided into four areas of study:

- Biology—DNA/Genetics
- Chemistry—Chemical Compounds, Chemical Reactions, Acids and Bases, Reaction Rate and Nuclear Reactions
- Physics—Energy Transformation
- Astronomy—Formation of the Universe

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 fieldwork 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.

ENVIRONMENTAL SCIENCE 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.

LIFE SCIENCES 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.

SCIENCE (cont'd)

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.

ANATOMY AND PHYSIOLOGY 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)

Pre-requisite: 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 SECONDE-IMMERSION 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 be immersed in French language through storytelling techniques and highly comprehensible, repetitive common structures as they build acquisition and start to express themselves in written and oral forms. Students will access the language through novels and other media.

SECOND LANGUAGES (cont'd)

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 SECONDE-IMMERSION 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

To build confidence in the language in a variety of settings, this French course helps increase complexity in verb and grammatical structures as well as diverse vocabulary while repeating the most common verbs and vocabulary. There will be a higher expectation on students to speak more French in class, and to write with more variety as they build off Grade 10.

INTRODUCTORY AMERICAN SIGN LANGUAGE 11 (MIASL-11)

American Sign Language Introductory 11 is a beginner's course which will allow you to speak with your hands. You will be introduced to the manual alphabet and numbers as well as basic conversational ASL. We will discuss Deaf Culture and the evolution of the language, as well as other similar manual languages. There is no prerequisite for this course.

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 SECONDE-IMMERSION 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.

FRENCH 12 (MFR—12)

Pre-requisite: French 11

This course builds on Grade 11 by incorporating language that is more specific to a variety of settings in which students might use the language. Common structures and verb tenses continue to be repeated and reinforced through storytelling strategies and class novel studies. Students will write and speak with more variety and complexity as they build their skills.

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 (cont'd)

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 themes they can explore further in senior courses offered by the Social Studies Department.

PSYCHOLOGY 11 (YPSYC1A)

* *This course does not meet the Social Studies graduation requirement. It can be used to meet the Applied Skills or Fine Arts requirement.*

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.

BC FIRST PEOPLES 12 (MBCFP12)

* *This course can be applied towards the Social Studies graduation requirement.*

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

What was British Columbia like before European settlement and how did the First Nations of BC live on and govern the land that would soon be taken from them? How would the First Peoples of BC cope with colonialism and discrimination? What do we as a province, and a nation do to reconcile this relationship? These questions will be addressed through a study of traditional and modern issues concerning BC's First Peoples. We will discuss First Nations traditional relationship to the land and environment, colonialism, aboriginal identity, cultural expression, leadership, self-determination, and reconciliation. Components of this course include projects, research, and media analysis.

COMPARATIVE CULTURES 12 (MCMCL12)

* *This course can be applied towards the Social Studies graduation requirement.*

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

Comparative Cultures 12 is a project-based learning course. Students may examine the traits of modern culture and its influence on our daily lives, as well as art, architecture, belief systems, conflict, environment, language, myths, philosophy, and the evolution of humankind. Students will also examine how the civilizations of the past influence us in the present, and what cultural changes may come in the future. The main goal of this course is to help students connect with the rich cultures that inhabit this world and explore the unwritten histories discovered by archaeologists and anthropologists.

GENOCIDE STUDIES 12 (MGENO12)

* *This course can be applied towards the Social Studies graduation requirement.*

Pre-requisite: Social Studies 10 (or *Sciences humaines* 10). It is **recommended** that students take this course in grade twelve after completing another senior level Social Studies course or Literary Studies 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.

GÉOGRAPHIE HUMAINE 12 (Replaces *Sciences Humaines* 11) (FHGEO12)

Pre-requisite: *Sciences humaines* 10

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

SOCIAL STUDIES (cont'd)

LAW STUDIES 12 (MLST-12)

** This course can be applied towards the Social Studies graduation requirement.*

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

Recommended to be taken in Grade 12

Law 12 offers students the opportunity to learn about their rights and responsibilities within the Canadian legal system. Possible areas of study include constitutional law, criminal law, civil law, youth and family law, ethics, legal philosophy, the correctional system, restorative justice, and international law. Through lectures, videos, research, mock trials, guest presentations, examination of court cases as well as current events, students will become familiar with Canadian law and their roles as active citizens. Law 12 will be an analytical-, text-, and research-based course.

PSYCHOLOGY 12 (YPSYC2A)

** This course does not meet the Social Studies graduation requirement. It can be used to meet the Applied Skill or Fine Arts requirement.*

Pre-requisite: Psychology 11

An introduction to abnormal and deviant behaviour. 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 will 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).

** This course can be applied towards the Social Studies graduation requirement.*

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

Human Rights? Systemic Discrimination? Globalization? Terrorism? Disease and war? Environmentalism? Automation? Human rights? Political turmoil? Social media? What do they mean? Why do they matter to our views of fairness and justice? The world is changing at a faster pace than during any other period in history. Our values and worldviews are being challenged. Injustices of the past are colliding with the ideas of the present. 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. This course aims to bring understanding of these changes through case studies, current events, and student-chosen topics. Possible themes in the course include social movements, sexism, global conflicts, artificial intelligence, technology, climate change, food crises, and world poverty. Social Justice 12 will be a project-based course involving the use of analytical skills, multimedia tools, and research.

20th CENTURY WORLD HISTORY 12 (MWH--12).

** This course can be applied towards the Social Studies graduation requirement.*

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

The modern era has seen considerable changes and challenges. The events of this time period are linked to the trials and tribulations of today. 20th Century World History 12 will seek to examine these processes through a global perspective. It will be a project-based course. Possible topics for the course 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.