

Course Calendar 2016-2017

(2004 Program)



CALEDONIA



TABLE OF CONTENTS

CALENDAR	1
GRADUATION REQUIREMENTS.....	4
COURSE SELECTION	5
COURSES AVAILABLE	6
APPLIED SKILLS AND FINE ARTS	10
FRENCH IMMERSION STUDIES.....	11
SECONDARY SCHOOL COMPLETION PROGRAM	11
SCHEDULING	11
EXTERNAL COURSES.....	12
COURSE CHALLENGE.....	12
BOARD/AUTHORITY AUTHORIZED COURSES	12
CAREERS PROGRAMS.....	12
ACE-IT	12
APPRENTICESHIP (COMMUNITY/PROVINCE/CALEDONIA)	13
WORK EXPERIENCE 12 A / B (CALEDONIA / COMMUNITY)	13
COUNSELLING SERVICES.....	14
LEARNING ASSISTANCE	14
RESOURCE ROOM.....	15
KERMODE SUCCESS PROGRAM.....	15
CALEDONIA CONNECTIONS PROGRAM	15
PROVINCIAL GOVERNMENT EXAMINATIONS	15
TRADES 10 PROGRAM.....	16
PROVINCIAL SCHOLARSHIPS	16
COURSE DESCRIPTIONS	18
CAREERS.....	19
ENGLISH.....	20
HOME ECONOMICS	22
LANGUAGES.....	24
MATHEMATICS.....	25
OUTDOOR EDUCATION	28
PERFORMING ARTS.....	29
PHYSICAL EDUCATION	33
SCIENCES.....	35
SOCIAL STUDIES.....	37
TECHNOLOGY EDUCATION.....	40
VISUAL ARTS	43



GRADUATION REQUIREMENTS

SUMMARY OF GRADUATION REQUIREMENTS

To graduate on the 2004 graduation program, students must earn a minimum of 80 credits:

48 credits of required courses	(12 courses)
12 credits of Grade 12 elective courses	(3 courses)
16 credits of Grade 10, 11, or 12 level elective courses	(4 courses)
4 credits of Graduation Transitions	

REQUIRED COURSE CREDITS

a Language Arts 10 course	(4 credits)
a Language Arts 11 course	(4 credits)
a Language Arts 12 course	(4 credits)
Social Studies 10	(4 credits)
a Social Studies 11	(4 credits)
Science 10	(4 credits)
a Science 11	(4 credits)
a Mathematics 10 course	(4 credits)
a Mathematics 11 course	(4 credits)
P. E. 10	(4 credits)
Planning 10	(4 credits)
Applied Skills/Fine Arts 10/11/12	<u>(4 credits)</u>
	48 credits

ELECTIVE COURSE CREDITS

Students must earn a minimum of 28 credits.

- 12 credits must be Grade 12 courses (in addition to the Language Arts 12 course)
- 16 credits may be Grade 10, 11, or 12 courses

GRADUATION TRANSITIONS

Students must complete Graduation Transitions (4 credits).



COURSE SELECTION

A student completing a full course load earns 32 credits in one school year. Students completing a full load of courses over three years earn 96 credits; the minimum number of course credits to graduate is 76 plus 4 credits for Transitions. Students completing courses outside the regular day may earn more than 32 credits in one year.

	GRADUATION REQUIREMENTS	CREDITS
GRADE TEN		
1	English 10	4
2	Sciences Humaines 10 or Social Studies 10	4
3	Science 10	4
4	Apprenticeship and Workplace Mathematics 10 or Foundations of Mathematics and Pre-Calculus 10	4
5	Physical Education 10	4
6	Planning 10	4
GRADE ELEVEN		
7	Communications 11 or English 11	4
8	Civics 11, Sciences Humaines 11, Social Studies 11, or B. C. First Nations Studies 12	4
9	Biology 11, Chemistry 11, Earth Science 11, Physics 11, or Sustainable Resources 11	4
10	Apprenticeship and Workplace Mathematics 11, Foundations of Mathematics 11, or Pre-Calculus 11	4
GRADE TWELVE		
11	Communications 12 or English 12	4
12	Grade 12 course	4
13	Grade 12 course	4
14	Grade 12 course	4
15	Applied Skills or Fine Arts course 10, 11, or 12	4
16	Elective 10, 11, or 12	4
17	Elective 10, 11, or 12	4
18	Elective 10, 11, or 12	4
19	Elective 10, 11, or 12	4
20	Graduation Transitions	4
		80



COURSES AVAILABLE

This is the list of potential courses being offered.

* outside of the school day

** by application

Career and Personal Planning

ACE-IT **

Apprenticeship 11/12 **

Planning 10

Education Teacher Assistant 11 **

Work Experience 12A & 12B **

English

English 10

Communications 11

English 11

English 11: Science Fiction

Communications 12

English 12

English Literature 12

Writing 12

Home Economics

Foods and Nutrition 10

Textiles 10

Family Studies 11

Foods and Nutrition 11

On Your Own Foods 11

Quilting and Fibre Arts 11

Textiles 11

Family Studies 12

Foods and Nutrition 12

On Your Own Foods 12

Textiles 12

Languages

Français Langue Seconde-Immersion 10

French 10

Sciences Humaines 10

Français Langue Seconde-Immersion 11

French 11

Sciences Humaines 11

Français Langue Seconde-Immersion 12

French 12



Mathematics

Apprenticeship and Workplace Mathematics 10
Foundations of Mathematics and Pre-Calculus 10
Apprenticeship and Workplace Mathematics 11
Foundations of Mathematics 11
Pre-Calculus 11
Apprenticeship and Workplace Mathematics 12
Calculus 12
Foundations of Mathematics 12
Pre-Calculus 12

Outdoor Education

Grade 11 Outdoor Education 11
 Recreational PE 11
 Earth Science 11
 Language Arts 11

Performing Arts - Drama

Drama 10: General
Drama 10: Theatre Production
Musical Theatre 10
Musical Theatre 11
Theatre Performance 11: Acting
Theatre Performance 11: Directing and Script Development
Theatre Production 11: Stagecraft
Musical Theatre 12
Theatre Performance 12: Acting
Theatre Performance 12: Directing and Script Development
Theatre Performance 12: Technical Theatre
Theatre Performance 12: Theatre Management

Performing Arts – Music

Music 10: Concert Band
Music 10: Concert Choir *
Music 10: Jazz Band *
Choral Music 11: Concert Choir *
Instrumental Music 11: Concert Band
Instrumental Music 11: Guitar
Instrumental Music 11: Jazz Band *
Choral Music 12: Concert Choir *
Instrumental Music 12: Concert Band
Instrumental Music 12: Jazz Band *

Physical Education

Physical Education 10
Superfit Basketball 10 *
Human Performance 11



Leisure and Recreation Fitness Activities 11
Physical Education 11
Superfit Basketball 11 *
Human Performance 12
Physical Education 12
Superfit Basketball 12 *

Science

Science 10
Biology 11
Chemistry 11
Earth Science 11
Physics 11
Sustainable Resources 11
Biology 12
Chemistry 12
Geology 12
Physics 12

Social Studies

History Through Popular Culture 10
Social Studies 10
Psychology 11
Social Studies 11
B. C. First Nation Studies 12
Geography 12
History 12
Law 12
Psychology 12
Social Justice 12
Transitions to Adulthood 12

Technical Education

Technology Education 10: Drafting and Design
Technology Education 10: Mechanics
Technology Education 10: Metalwork
Technology Education 10: Woodwork
Automotive Technology 11
Carpentry and Joinery 11
Drafting and Design 11
Electronics 11
Jewellery and Art Metal 11
Metal Fabrication and Machining 11
Automotive Technology 12
Automotive Technology 12: Automotive Electricity and Electronics
Automotive Technology 12: Engine and Drive Train
Carpentry and Joinery 12
Carpentry and Joinery 12: Cabinet Construction
Carpentry and Joinery 12: Furniture Construction



Drafting and Design 12
Drafting and Design 12: Advanced
Electronics 12
Jewellery and Art Metal 12
Metal Fabrication and Machining 12
Metal Fabrication and Machining 12: Advanced Fabrication

Visual Arts

Media Arts 10
Northwest Coast Art and Design 10
Visual Arts 10
Art Foundations 11
Community Leadership 11
Digital Photography 11
Media Arts 11
Northwest Coast Art and Design 11
Studio Art 11: Drawing and Painting
Art Careers 12 **
Art Foundations 12
Art Foundations 12: Advanced
Community Leadership 12
Digital Photography 12
Independent Digital Arts 12
Northwest Coast Art and Design 12
Studio Art 12: Drawing and Painting



APPLIED SKILLS AND FINE ARTS

The following courses are some that meet the Fine Arts and/or Applied Skills requirement for the 2004 Graduation Program.

Course Name
Accounting 12
Art 10, 11 or 12
Automotive 10, 11 or 12
Carpentry 10, 11 or 12
Choir 10, 11 or 12
Concert Band 10, 11 or 12
Drafting 10, 11 or 12
Electronics 11 or 12
Family Studies 10, 11 or 12
Foods and Nutrition 10, 11 or 12
Human Performance 11
Jazz Band 10, 11 or 12
Jewellery and Art Metal 11 or 12
Media Arts 10, 11 or 12
Metalwork 10, 11 or 12
Musical Theatre 10, 11 or 12
Northwest Coast Art and Design 10, 11 or 12
On Your Own Foods 11 or 12
Photography 11 or 12
Psychology 11 or 12
Quilting and Fibre Arts 11 or 12
Theatre Production 10, 11 or 12
Studio Art: Drawing & Painting 11 or 12
Superfit Basketball 11 or 12
Teacher's Assistant 11
Textiles 10, 11, or 12
Theatre Performance: Acting 10, 11 or 12
Yearbook 12



FRENCH IMMERSION STUDIES

To graduate with completion of the French Immersion Program, a student must earn credit for Français Langue 10, 11, and 12 courses and three additional courses taught in French.

Caledonia offers Français Langue 10, Français Langue 11, Français Langue 12, Sciences Humaines 10, Sciences Humaines 11, and Francophone Studies 11.

Grade 10 students in French Immersion **must** take English 10 or English 10: First Peoples and Français Langue 10.

Grade 11 students in French Immersion **must** take Communications 11 or English 11 or English 11: First Peoples **and** Français Langue 11.

Grade 12 Students in French Immersion **must** take Communications 12, English 12: First Peoples, or English 12, **and** Français Langue 12.

SECONDARY 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 senior secondary school program with a Dogwood Certificate. The program will help students to strengthen their basic skills and will provide a component of work experience with employers in the community. Some students will also receive instruction in life skills. In addition, students in the Secondary School Completion Program will be integrated into regular courses and classes in which they can be successful, such as Physical Education, Home Economics, Technical Education, Fine Arts, and Business Education. Students in the Secondary School Completion Program will not take regular English, Social Studies, Mathematics, or Sciences; they will complete the SCP level of these classes at each grade level unless regular classes are approved by the principal.

Class size is smaller than in the regular program, and students will follow a program of studies that is specifically designed to their individual needs and interests. Grading for SCP students in regular elective courses may be adjusted to enable students to be recognized for their individual achievements.

At the end of the program, which usually lasts three years (if students enter in grade 10), SCP students receive an Evergreen Certificate signifying completion of three years of study in the secondary school.

Written parental consent is required to be enrolled in this program.

SCHEDULING

Most courses at Caledonia are a semester in length; some are full year. Students are required to take a full course load of eight courses each year. Some courses may be offered outside regular school hours. A student may take a “ninth block” of study; see a counsellor for details. Some courses listed may **not** be offered. Course scheduling depends on the number of students requesting a course and the availability of teaching staff. In classes with limited space, priority for placement is given to Grade 12 students and to students preparing to enter special programs such as ACE-IT.

Students may not normally enrol in academic courses at the grade level above. A student wishing to take an academic course at the grade level above (such as Biology 12 taken by a Grade 11 student) must have a strong recommendation from the teacher of the corresponding prior course (such as Biology 11).



EXTERNAL COURSES

Students who have completed various studies outside the public school may receive graduation credits for the achievements. See your counsellor to discuss details of this opportunity. Graduation credit may be given for certificate achievement in the areas of Post-Secondary Courses, Advanced Placement, International Baccalaureate Courses, Dance, Drama, Speech, Music, Sports, Industry and Occupations, and Youth Development. Specific certification levels are required to be eligible for graduation credits for external courses.

COURSE CHALLENGE

Students who have very advanced knowledge and skills in any secondary school subject offered by Caledonia may be able to get credit for a course through challenge. See an administrator at Caledonia Secondary School to discuss details of this opportunity. Deadlines: Semester 1 – first Friday in October, Semester 2 – first Friday in March.

BOARD/AUTHORITY AUTHORIZED COURSES

Board/Authority-Authorized courses are Grade 10, 11, and 12 courses developed locally or by other agencies that meet standards set by the Ministry of Education. There is no limit to the number of BAA courses that can be used as part or all of the 28 credits of “Elective Courses”. They may also be counted toward the 12 credits of Grade 12 elective courses. These courses can not be used to meet the “Required Courses” area, with the exception that BAA Grade 11 courses may meet the Applied Skills/Fine Arts requirement. It is important to note that the BAA grade 10 and grade 12 courses do not meet the Applied Skills/Fine Arts requirements.

CAREERS PROGRAMS

There are a variety of programs available to the students of Caledonia that focus on preparation for the world of work. The selection of program is dependent on the degree to which the student has made a decision on his/her career path, graduation and post-secondary training options.

ACE-IT

[Accelerated Credit Enrolment in Industry Training] (Caledonia/N.W.C.C.)

This program is recommended for those students who are in grade 11 or 12, and have focussed on a career in the vocational trades such as Carpentry, Mechanical, Culinary Arts, Electrical, Millwright, Welding, and others. Application is made through the Careers Co-ordinator with formal application to be completed to Northwest Community College. Cost of the student’s tuition and fees are funded by the School District following payment of a completion deposit by the student which is held in trust for reimbursement on successful completion of the accreditation level of the program. Successful applicants attend courses at N.W.C.C. for a full semester or more. For this reason, it is very important for students to ensure that their graduation requirements are clearly underway by the completion of their grade 11 year. It is recommended that the student complete the course at N.W.C.C. in the grade 12 fall semester where possible.



Upon successful completion of this **technical training** program, the student receives credits at the grade 12 level in addition to credit toward **Level 1 Technical Trades Training** apprenticeship in a chosen trades area.

Program requirements include:

- Completion of **ACE-IT Application Package**
- Current enrollment in Grade 11 or 12 at Caledonia Senior Secondary School
- Submission of a copy of the student's academic transcript demonstrating successful completion of Grade 10, including a minimum of a C+ in Math 10, and a C+ in English 10 or English 10: First Peoples or Communications 11
- College acceptable results on College Assessment Tests (CATT 111) may be required
- Completion of a College interview with the student, parent, instructor, and Career Counsellor
- Satisfactory references from current teachers
- Payment of an \$850 deposit prior to final acceptance. This deposit is fully refunded on successful completion of the program with a 70% final ITA grade.

College entrance and participation require:

- Signing of an **Application for Admission**
- Signing of an **Attendance and Performance Agreement**
- Maintenance of passing marks at the **70%** level or higher
- Adherence to all College policies regarding **attendance** and **behaviour**

APPRENTICESHIP (Community/Province/Caledonia)

The Secondary School Apprenticeship program is a high-level work experience component of provincial apprenticeship and the complement to the ACE-IT programme. The students must be employed by a trades-certified employer-sponsor before entering this Provincial Apprenticeship Programme. At the successful completion of 480 hours of employment, the student receives 8 Grade 11 and 8 Grade 12 work experience credits.

Should the student continue to work in the apprenticeship area for an additional five months after graduation from Caledonia with a C+ average, they are also eligible to receive a government scholarship of \$1,000.00.

Any student currently employed in an apprenticeable field should see the Careers Co-ordinator as soon as possible to take advantage of this excellent opportunity to gain apprenticeship credit hours, earn school credits toward graduation, and get a big head start on post-secondary employment – all while being paid.

WORK EXPERIENCE 12 A / B (Caledonia / Community)

This Ministry course is open to students in grades 11 and 12, giving graduation credit while offering learners a pathway to future careers. Application is made through the Careers Co-ordinator's office with acceptance based upon a student's interests, attendance, academic performance, punctuality, and work ethic. The focus of the course is on tasks specific to one of eight Careers Focus Areas.

The program consists of three components. The first is the short preparatory course "Introduction to the World of Work", during which the student studies various facets of employment including



legislation, work safety procedures, employability skills, and job search skills and strategies. This is followed by the completion of a set of 'pre-employment' tasks. On completion of these assignments, the student is eligible to enter a work placement with a local business in the focus area identified.

In the course of the program which takes place out of school hours, the student acquires employability skills specific to the chosen field and generally applicable to the world of work. Work hours are out of school time and may include holidays and NID days. Upon successful completion of a minimum of 100 'on the job' hours, the student receives 4 credits at the grade 12 level with final assessment completed by the Careers Co-ordinator based on employer observations. It is strongly recommended that any student considering the ACE-IT programme in grade 12 complete at least one segment of this course during the grade 11 year.

Advantages of Work Experience

- investigate the world of work
- begin a desired career pathway
- complete a secondary school program beneficial to the career objective
- gain preferential placement in some post-secondary programs
- satisfy a portion of a work experience requirement required for secondary and certain post-secondary programs
- gain graduation credit

Community Support

Without the support of the employers in our community, this program could not be offered. Their readiness to provide placement, time, and training to interested Caledonia students is invaluable.

COUNSELLING SERVICES

The counsellors provide a variety of support services for students, including those related to

- educational goals and programs consistent with the student's career and life goals
- appropriate course and study path selections
- graduation credits
- planning for post-secondary education
- liaison with the community regarding employment information
- personal skills: self-awareness, responsibility, relationships, communication, decision making, problem solving, conflict resolution
- liaison with community agencies

LEARNING ASSISTANCE

Students who experience difficulty in their courses should first seek extra help from their classroom teacher. In addition, they may occasionally seek help from the Resource Room teacher. Referrals for learning assistance can be made by the student, the teacher, the parent, a counsellor, or an administrator. Students seeking learning assistance must have the classroom teacher's permission to be out of the regular classroom.



RESOURCE ROOM

Resource room is a program to support students with some form of learning disability who are in an academic Dogwood graduation program. A Resource Room block is for the whole semester. This program provides academic support, 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 course.

KERMODE SUCCESS PROGRAM

Kermode Success is a program intended to support our students so they can pass their required courses and graduate. It provides students with an assigned block during the school day where they can complete assignments, homework, projects, and tests while receiving the instructional support they need. Students also have the flexibility to complete online courses during their Success block. Students may be referred or ask their counsellor to be referred. The needs of the individual are reviewed before being placed in the program.

CALEDONIA CONNECTIONS PROGRAM

Connections is a way to “connect” all students to services available at Caledonia that can help them be successful. Our number one goal for Caledonia students is to have them graduate. Within the Connections program, students can receive:

- academic support during class time through one-on-one tutoring in the Connections room (with the permission of the classroom teacher)
- academic support in the class with either teacher or SSA assistance
- help with homework before or after school

These services are available for all students. If you would like to know more about this program and how it can help, all you need to do is ... ask.

PROVINCIAL GOVERNMENT EXAMINATIONS

There are five mandatory exams for graduation in British Columbia:

- Language Arts 10 (English 10: First Peoples or English 10)
- Mathematics 10 (Apprenticeship and Workplace Math 10 or Foundations of Math and Pre-Calculus 10)
- Science 10
- Social Studies 11 or 12 (Civics 11, Sciences Humaines 11, Social Studies 11, or First Nation Studies 12)
- Language Arts 12 (English 12, English 12: First Peoples, or Communications 12)

The Language Arts 12 exam is worth 40% of the final mark; the other exams are worth 20% of the final mark.



TRADES 10 PROGRAM

Students combine 10 weeks of trades training at NWCC with 10 weeks of secondary school coursework to make up the second semester of the 2015/2016 school year. Trades training will consist of alternating one week intervals of full day instruction and practical work in each of these five trades areas:

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

Secondary school coursework will include English 10, Socials 10 and Planning 10. The secondary school coursework will operate at Caledonia as an integrated bundle that will alternate every week with the trades training coursework at NWCC.

PROVINCIAL SCHOLARSHIPS

The “Graduation Program Examinations Scholarships” program grants scholarships on the basis of achievement on the five mandatory provincial exams: Language Arts 10, Science 10, Mathematics 10, Social Studies 11, and Language Arts 12. To receive the \$1000 provincial scholarship, the student must have at least 86% on one exam and at least 73% on three other of the exams as well as at least 73% as a final mark for Language Arts 12 (Communications 12, English 12, English 12: First Peoples, or Français langue premiere 12). A student will receive a \$2500 Examination Scholarship by ranking among the top twenty scholarship students in the province. Past Caledonia grads have earned this \$2500. There is a five-year claim period.



3/3/2016



Course Descriptions



CAREERS

ACE-IT – students must apply for this program.

APPRENTICESHIP 11/12 (SSA 11/12)

Students must apply for this program. This is high-level work experience component of provincial apprenticeship and the complement to the ACE-IT programme. The students must be employed by a trades certified employer-sponsor before entering this provincial apprenticeship programme. At the successful completion of 480 hours of employment the student receives 8 Grade 11 and 8 Grade 12 work experience based credits.

Should students continue to work in their apprenticeship area for an additional five months after graduation from Caledonia with a C+ average, they are also eligible to receive a government scholarship of \$1000.00.

PLANNING 10 (MPLAN10)

Planning 10 is a required course for graduation. The aim of the course is to get students to begin serious career exploration and education planning, and to introduce students to the Graduation Transitions program, which is also a compulsory part of the graduation program. Students will use multi-media sources to learn about resources they can use to assist them in exploring career and educational opportunities beyond high school.

EDUCATION TEACHER ASSISTANT 11 BAA (YED--1A) Prerequisite: NONE

Students must apply for this course. Application is made through the counsellor and principal 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.

WORK EXPERIENCE (MWEX-2A AND MWEX-2B) – Students must apply for this program.

ENGLISH

Communications 11/12, English 10/11/12, and English 10/11/12: First Peoples are some of the courses required for graduation. Writing through Technology 10, Literature 12 and Writing 12 are elective courses. These courses are not only interesting and rewarding in themselves but also have beneficial applications to other areas in the school and community.

ENGLISH 10 (MEN--10) Prerequisite: English 9

This is a required course for graduation. Students will study short stories, essays, poetry, novels and plays. They will learn to research and write paragraphs, essays, literary responses as well as do oral presentations. The mandatory provincial exam is worth 20% of the final mark.

COMMUNICATIONS 11 (MCOM-11) Prerequisite: English 10 or English 10: First Peoples

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.

ENGLISH 11 (MEN--11) Prerequisite: English 10 or English 10: First Peoples

Each of the genres of literature is studied as well as various aspects of language. All students are required to write a common final exam worth 30% of their mark. Students with a mark below 60% in English 10 may find English 11 difficult.

ENGLISH 11: SCIENCE FICTION Prerequisite: English 10

Science fiction and fantasy literature is a legitimate area of study. Myths and legends are part of every culture and form the roots of this genre. Today, science fiction has become imaginative writing which considers the effect of technology, science and the future on human beings. It can mirror themes and motifs that are present in our reality.

This course will focus on the genre of science fiction and fantasy literature. It will trace the origins of the genre from myth and legend, through some of the first stories and novels in the Nineteenth Century to what is considered the “Golden Age” of science fiction in the Twentieth Century. The class will study myths and legends from many cultures, including Aboriginal legends. The class will then examine short stories, poetry and drama with a fantasy element that predates the 1800’s. The second term will begin with 19th Century novelists include Jules Verne, Mary Shelley and H.G. Wells. The course will conclude with an examination of Twentieth Century science fiction and fantasy, including the works of Isaac Asimov, Ray Bradbury, Arthur C. Clarke, J.R.R. Tolkien, C.S. Lewis, Larry Niven, Frank Herbert and Michael Crichton. A brief introduction to science fiction in film and television will also be taught.

COMMUNICATIONS 12 (MCOM-12)

Prerequisite: Communications 11, English 11, or English 11: First Peoples

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, each 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.

ENGLISH 12 (MEN--12) Prerequisite: English 11 or English 11: First Peoples

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. Students with a mark below 60% in English 11 may find English 12 difficult.

The mandatory provincial final exam is worth 40% of the final mark.

ENGLISH LITERATURE 12 (MLIT-12) Prerequisite: English 11 or English 11: First Peoples

Literature 12 students consider famous and important English literature works. The course surveys works from Viking times to the modern day. Some choice of selections is possible to accommodate individual needs and interests. Students with a mark below 70% in English 11 or English 11: First Peoples may find Literature 12 difficult.

WRITING 12 (MWR--12) Prerequisite: English 11 or English 11: First Peoples

The writers in this course study the elements and techniques of poetry, prose, and drama. They have a chance to share samples and stylistic devices from their favourite writers. Attention is given to the process and publication of their creative writing products. Students do teacher-determined assignments as well as student-determined assignments.

Students with a mark below 70% in English 11 or English 11: First Peoples are cautioned about taking this course. Students must be prepared to write extensively every day to produce a large body of writing in various genres by semester's end.

HOME ECONOMICS

FOODS AND NUTRITION 10 (MFDN-10) Prerequisite: NONE

In Foods and Nutrition 10, students will prepare a wide range of appetizers, side dishes, main courses, desserts, and beverages using a complete array of culinary preparation techniques. Popular cuisines from around the world will be included. Through the course, students will build onto their existing knowledge and practice using tools and equipment in the kitchen, following safe procedures such as proper use of a chef's knife, and using measuring skills and cooking techniques to get great results. In light of media stories surrounding food safety over recent years, we will also look at causes of food borne illnesses, and techniques we should use to fight bacteria and keep our food healthy. Documentaries such as Food inc. will be used to introduce issues around modern day food. Our labs will emphasize using fresh, local, and in-season foods when possible. If you enjoy eating stir fries, butter chicken, pasta dishes, fruit pies, and more, come join us in the kitchen. Be inspired and cook great food! No prior experience necessary.

TEXTILES 10 (MTXT-10) Prerequisite: NONE

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 will cover the basics of sewing that include operation of the sewing machine, pattern and fabric selection and layout, and garment construction techniques. Other textile skills such as crocheting will also be included. Projects will 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.

FAMILY STUDIES 11 (MFM--11) Prerequisite: NONE

Interaction of the individual, the family, and the environment is studied. Units include individual resource management, personal growth, interactive relationships and human development. Reproduction, pregnancy, childbirth and child development are covered in detail. The Family Studies program presents Family Studies 11 and Family Studies 12 in alternating years: Family Studies 11 (even years) and Family Studies 12 (odd years).

FOODS AND NUTRITION 11 (MFDN-11) Prerequisite: NONE

Basic concepts of nutrition, foods, and food preparation are covered in this course. The emphasis is on correct and sanitary handling techniques, as students prepare and eat dishes from all of the food groups. Labs and assignments each make up about ½ of the grade and students can expect to be cooking 2 – 3 times a week.

ON YOUR OWN FOODS 11 (YHEC-1B) Prerequisite: NONE

This course is for anyone who enjoys eating! Graduation is slowly approaching, and you will one day find yourself out of the house and "on your own". Have fun cooking fresh food fast. You will cook mainstay dishes, interesting cultural dishes, and do some baking. Experienced and inexperienced cooks are both welcome. Learn how to shop, and cook and feed yourself interesting, affordable and healthy dishes. Want to learn how to make ends meet so you can afford good food, and get good buys on a tight budget? Learn how to make the most of your money in the supermarket, and navigate your way around the minefield of organic, fair trade, genetically modified, low cholesterol, omega-3, free run, all natural, low sodium...find out what it all means, and what's truthful and what isn't. Time is divided with 60% lab work, and 40% class time. Examples of dishes you will be enjoying include stir fries, tasty burgers, calzones, chili with fresh cheesy corn bread, fajitas, pekorra, and lava cakes for starters. You will be making breakfasts, soups, salads, mains, desserts, and beverages. Get inspired, and come join Mrs. Fass to cook yourself great food. No prerequisite courses are needed.

QUILTING AND FIBRE ARTS 11 (YHEC-1C) Prerequisite: NONE

Quilting and Fibre Arts is a class that has been developed to explore sewing techniques and skills not studies in a traditional Textiles class. The course is focused on fibre arts including patchwork and foundation block quilting, applique, embroidery, knitting, macrame, rug hooking, and weaving (if time permits). Students will learn a variety of techniques and skills and then be given opportunities to create projects that are meaningful to them. Students will be given a new way of expressing their creativity and artistic ability.

TEXTILE 11 (MTXT-11) Prerequisite: NONE

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 will cover the basics of sewing that include operation of the sewing machine, pattern and fabric selection and layout, and garment construction techniques. Other textile skills such as crocheting will also be included. Projects will 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.

FAMILY STUDIES 12 (MFM--12) Prerequisite: NONE

Family Studies 12 picks up the study of the family life cycle where Family Studies 11 ends. Topics include the family, family health and wellness, marriage, parenting, the adult years, and the aging process, and death and dying.

FOODS AND NUTRITION 12 (MFDN-12)

Prerequisite: None – Foods and Nutrition 11 is strongly recommended

Food Studies 11 is expanded upon in this course. More detailed analysis of food and its preparation will be emphasized. Products will be more advanced, and independent work in the labs will be stressed during the preparation of buffets. Evaluation will be similar to that in Food Studies 11.

ON YOUR OWN FOODS 12 (YHEC-2B) Prerequisite: NONE

This course is for you if you like eating! You are soon going to find yourself out of the house and "on your own". Want to do better than "take-out", or processed frozen food meals once you leave the house? Want to cook up some great tasting healthy food and avoid the hidden sugar, fat and salt of processed mass produced factory made food? Join us as we cook both mainstay and fun dishes that you will want in your cooking repertoire, such as Crème Brulee, Pavlova, Chicken Parmesan, Tex-Mex Mini Meatloaves, Curries, Beef Barley Soup, and your very own Marinara Sauce for pasta, for starters. When we are not cooking, we'll investigate factors that influence our food choices such as advertising and culture, and learn how to avoid the pitfalls of mass produced food. This course utilizes online websites and recent documentaries. Time is divided with 60% lab work, and 40% class time. Want to eat healthier, develop a cooking hobby, and eat delicious fresh food? Maybe some chipotle chicken, or chocolate turtle cookies? Come join Mrs. Fass and cook great food! There are no prerequisites: new and experienced cooks are both welcome.

TEXTILE 12 (MTXT-12) Prerequisite: NONE

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 will cover the basics of sewing that include operation of the sewing machine, pattern and fabric selection and layout, and garment construction techniques. Other textile skills such as crocheting will also be included. Projects will 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.

LANGUAGES

FRANÇAIS LANGUE SECONDE-IMMERSION (FFRAL10)

Prerequisite : Français Langue Seconde-Immersion 9

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.

SCIENCES HUMAINES 10 (FSCH-10)

Prerequisite: This course is for students in the French Immersion program.

This is the Social Studies 10 curriculum delivered in French.

FRANÇAIS LANGUE SECONDE- IMMERSION 11 (FFRAL11)

Prerequisite: Français Langue Seconde-Immersion 10

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

SCIENCES HUMAINES 11 (FSCH-11) Prerequisite: Sciences Humaines 10

This course may be offered through Caledonia or North Coast Distance Education School via video conference and online instruction.

FRANÇAIS LANGUE SECONDE-IMMERSION 12 (FFRAL12)

Prerequisite: Français Langue Seconde-Immersion 11

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

FRENCH 10 (MFR--10) Prerequisite: French 9

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

FRENCH 11 (MFR--11) Prerequisite: French 10

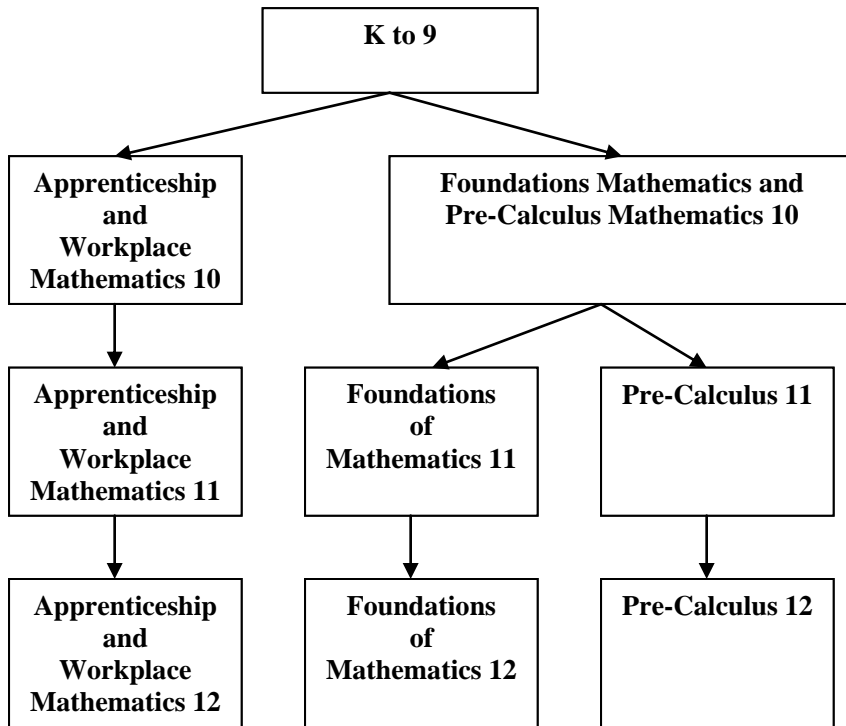
More fluency of speech and the acquisition of some difficult grammatical structures are the core of this course. More vocabulary and several new tenses are introduced. Some written work is required and studied.

FRENCH 12 (MFR--12) Prerequisite: French 11

The oral-aural work of French 11 is continued while the emphasis on reading and writing skills is increased. It is an opportunity to learn grammatical concepts thoroughly and to practise them. A selection of French literature and videos are studied.

MATHEMATICS

There are three different math pathways, each with a different focus. As can be seen from the following schematic, students that enrol in Apprenticeship and Workplace 10 then continue on the Apprenticeship and Workplace pathway. Students that enrol in Foundations and Pre-calculus 10 then continue on either the Foundations or the Pre-calculus pathway in grade 11.



Each pathway has a different focus. In very general terms, the Apprenticeship and Workplace pathway is for students requiring math in a trade occupation and for everyday life. The Foundations of Mathematics pathway is for students taking post-secondary education that does not require calculus. The Pre-Calculus pathway is for students taking post-secondary education that requires calculus. **It is vital that students research the math requirements for post-secondary school education.** Some post-secondary institutions will accept math credit from different math pathways as being equivalent. An example would be an institution that accepts Foundations of Math 12 as equivalent to Pre-Calculus 11. Students can be on two math pathways simultaneously by enrolling in more than one math course, but once they are limited to one pathway they cannot easily change from one pathway to another.

THE PATHWAYS

Apprenticeship and Workplace Pathway

This pathway is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the **majority** of trades at technical colleges and trade schools and for direct entry into the work force. While this pathway is well-suited for preparation for many trades, some trades (such as electricians) will require math from the Foundations or Pre-Calculus pathway. This pathway begins with Apprenticeship and Workplace 10.

Foundations of Mathematics Pathway

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. These studies include Fine Arts, Humanities, and Social Sciences. This pathway begins with Foundations of Mathematics and Pre-Calculus 10.

Pre-Calculus Pathway

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus. These studies include Commerce, Engineering, Mathematics, Medicine, and Science. This pathway begins with Foundations of Mathematics and Pre-Calculus 10.

THE COURSES

APPRENTICESHIP AND WORKPLACE MATHEMATICS 10 (MAWM-10)

This course is for students on the Apprenticeship and Workplace pathway. Topics include measurement, geometry, pricing and income, and algebra. This course will lead to Apprenticeship and Workplace 11. The mandatory provincial exam is worth 20% of the final mark.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (MFMP-10)

This course is for students on either the Foundations pathway or the Pre-Calculus pathway. Topics include measurement, algebra, irrational numbers, relations, and functions. This course will lead to Foundations 11 or Pre-Calculus 11. The mandatory provincial exam is worth 20% of the final mark.

APPRENTICE AND WORKPLACE MATHEMATICS 11 (MAWM-11)

Prerequisite: Apprentice and Workplace Mathematics 10 or permission from the instructor.

This course is strongly recommended for students who are planning on entering the workforce directly after high school, or who are planning on pursuing a career in the trades industries. Topics covered may include reasoning, rates of change, measurement, and statistics. Students who successfully master the learning outcomes of this course may continue to Apprentice and Workplace Mathematics 12.

FOUNDATIONS OF MATHEMATICS 11 (MFOM-11)

Prerequisite: a final grade of 50% or higher in Foundations of Mathematics and Pre-Calculus Mathematics 10.

This course is strongly recommended for students who are planning on pursuing post-secondary studies in the arts or the humanities. Topics studied may include logic and reasoning, functions, geometry, and statistics. Students who successfully master the learning outcomes of this course may continue to Foundations of Mathematics 12. Students who are planning on pursuing post-secondary studies in Commerce, Engineering, Mathematics, Medicine, or Science should take Pre-Calculus 11.

PRE-CALCULUS 11 (MPREC11)

Prerequisite: a final grade of 60% or higher in Foundations of Mathematics and Pre-Calculus 10 is strongly recommended. Students with less than 60% should consult with their teacher before choosing this course.

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math or sciences. Topics covered may include relations and functions, trigonometry, polynomial functions, and graphing. Students who successfully master the learning outcomes of this course may continue on to Pre-Calculus 12 or Foundations of Mathematics 12. Students who are planning on pursuing post-secondary studies in Fine Arts, Humanities, or Social Sciences should take Foundations of Mathematics 11.

APPRENTICESHIP AND WORKPLACE MATHEMATICS 12 (MAWM-12)

Prerequisite: a final grade of 60% or higher in Apprentice and Workplace 11.

This course is a continuation of the Apprenticeship and Workplace pathway. Topics are geometry including polygons and trigonometry, financial mathematics (buying and leasing), simple algebra, statistics and probability.

CALCULUS 12 (MCALC12) Prerequisite: Pre-Calculus 12 or instructor's permission.

This course will provide an overview of the calculus. 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 all students who are thinking of pursuing college or university programs in Commerce, Engineering, Mathematics, Medicine, or Science.

Students with a grade below 70% in Pre-Calculus 12 may find Calculus 12 difficult.

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12)

Prerequisite: a final grade of 60% or higher in Foundations of Mathematics 11.

This course is a continuation of the Foundations of Mathematics pathway. Topics include a large financial mathematics component, logical reasoning, probability, relations (including polynomials, exponential and logarithmic functions, and sinusoidal functions).

PRE-CALCULUS 12 (MPREC12)

Prerequisite: a final grade of 60% or higher in Pre-Calculus 11.

This course is a continuation of the Pre-Calculus pathway. This course needs to be completed prior to enrolling in Calculus 12, which is generally offered in the second semester of the school year.

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.

OUTDOOR EDUCATION

GRADE 11

The Caledonia Outdoor Education program is a one semester program where a group of students spend the entire semester together with one instructor. This program is designed for Grade 11 or 12 students. The students may earn the following credits during the program:

- Outdoor Education 11 (4 credits)
- Recreational Physical Education 11 (4 credits)
- Earth Science 11 (4 credits)
- Language Arts 11 (4 credits)

For the Language Arts 11 part of the program students may select to enroll in either Communication 11 or English 11. The specific course descriptions can be found on the following page.

It is important to note that approximately 50% of the course work in the Outdoor Education program will be completed off campus in a local outdoor setting throughout the semester. The other 50% of the coursework will be completed on the Caledonia school campus.

Any specialized equipment required for the course will be provided to the students. For example rock climbing equipment. Please see Mr. Stewart or one of the Counsellors for more details about the Outdoor Education program.

Outdoor Education 11 (4 credits)

Course Description: This course provides students with training in a variety of outdoor pursuits. Some will include: hiking, indoor rock climbing, map & compass navigation, winter travel, canoeing and other outdoor skills deemed appropriate by the instructor. There will be a strong cultural component as well with students learning about local First Nations cultures, local ecosystems and their associated flora and fauna.

Recreational PE 11 (4 credits)

Course Description: The Recreation Physical Education program 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.

Earth Science 11 (4 credits)

Course Description:

This course is designed to introduce 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, weather, snow science, environmental sciences and mapping. Geography and geological sections will focus on Northwest examples.

Language Arts (4 credits)

Communication 11 **OR** English 11

Communication 11: 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.

English 11: Each of the genres of literature is studied as well as various aspects of language. Students with a mark below 60% in English 10 may find English 11 difficult.

PERFORMING ARTS

DRAMA

DRAMA 10: GENERAL (MDRG-10) Prerequisite: NONE

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 (YVPA-0A) Prerequisite: NONE

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 10: THEATRE PRODUCTION (MDRD-10) Prerequisite: NONE

This course is an introductory course to the off-stage jobs that allow a theatre performance to be successful. Students develop and apply the skills needed for the design, technical, and management aspects of a theatre production. They work on set, props, lighting, sound, costumes, make-up, promotion, running crew, and front-of-house jobs. Fall classes work primarily on the school musical; spring classes work on festival plays and other projects.

THEATRE PERFORMANCE 11: ACTING (MTPA-11)

Prerequisite: Drama 10: General or Instructor's permission

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.

THEATRE PERFORMANCE 11; DIRECTING AND SCRIPT DEVELOPMENT (MTPDS11)

Prerequisite: Theatre Performance 11: Acting

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.

MUSICAL THEATRE 11 (YVPA-1A) Prerequisite: NONE

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.

THEATRE PRODUCTION 11 (MTPR-11) Prerequisite: NONE

Students develop and apply the skills needed for the design, technical, and management aspects of a theatre production. They work on set, props, lighting, sound, costumes, make-up, promotion, running crew, and front-of-house jobs. Fall classes work primarily on the school musical; spring classes work

on festival plays and other projects. Some crew members are also needed outside the regular school day for the necessary workshop, rehearsal, and performance tasks.

THEATRE PERFORMANCE 12: ACTING (MTPA-12)

Prerequisite: Theatre Performance 11: Acting

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.

THEATRE PERFORMANCE 12: DIRECTING AND SCRIPT DEVELOPMENT (MTPDS12)

Prerequisite: Theatre Performance 11: Directing and Script Development

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 crew members, publishing their work, using scripts as social commentary, and directing as an art form.

MUSICAL THEATRE 12 (YVPA-2A) Prerequisite: 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. Class sessions and rehearsals are held after school Monday through and Friday plus Sunday afternoon.

THEATRE PRODUCTION 12: TECHNICAL THEATRE (MTPRT12)

Prerequisite: Theatre Production 11

Students in this course specialize in the technical aspects of theatre production: the design, construction, and use of set, props, lighting, sound, costumes, and make up. Technical crews interact with the artistic and management personnel for an integrated production process within the "chain of command". Some time outside the regular school day may be required for the necessary workshops, rehearsal, and performance tasks.

THEATRE PRODUCTION 12: THEATRE MANAGEMENT (MTPRM12)

Prerequisite: Theatre Production 11

Students in this course specialize in the management side of production, with the interaction of the theatre company and the community, the stage, the house, and the technical crews. Students develop various skills, including budgeting, scheduling, graphic design, promotion, staffing, box office, stage management during rehearsals and performances, supervision of ushers and concession, co-ordination of the different crews and other individuals, interpersonal skills, networking in the community, and operating a smooth production within the "chain of command". Some time outside of the regular school day may be required for the necessary workshop, rehearsal, and performance tasks.

PERFORMING ARTS

INSTRUMENTAL AND CHORAL MUSIC

Students must be willing to accept the responsibilities of being in music. This includes 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.

Those 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.

MUSIC 10: CONCERT BAND (MMCB-10) Prerequisite: Band 9 or adjudicated level

This course is an extension of Band 9 with more intensive study in wind band musical performance, instrumental technique, theory, and history. The intention is that band will be offered as a full year course backed against another course over two semesters. *If extra-curricular rehearsals are necessary, they will be Mondays from 3:30 to 5:00 P.M. Fundraising and the tour are optional.*

MUSIC 10: CONCERT CHOIR (MMCC-10) Prerequisite: NONE. If you can hum, you can sing! It is preferred, but not essential, that students have musical experience in voice, instrumental, or piano. Students will learn and perform music from all styles of music (classical, pop, jazz). The basics of singing music reading will be taught. Students must be willing to perform in class and in concert situations. This is a practical course therefore to receive credit you must perform in all concerts. Home practice and extra rehearsals may be necessary. Choir students are encouraged to be involved in musical as part of their course work. The show is performed for the public in December. Fundraising and the tour are optional. *Choir is a 9th block course and meets outside the regular timetable on Tuesday and Thursday afternoons from 3:30 to 5:30 P.M. for the whole year.*

MUSIC 10: JAZZ BAND (MMJB-10) Prerequisites: Students must competently play one of the traditional jazz band instruments (saxophone, trombone, trumpet, guitar, bass (guitar), piano, drums, and percussion). Students are strongly encouraged to be concurrently enrolled in concert band 10. The ability to read music is necessary. A variety of jazz styles will be explored through listening, rehearsing, and performance. The fundamentals of improvised soloing will be emphasized and encouraged. Fundraising and the tour are optional. *Jazz Band is a 9th block course and meets outside the regular timetable on Monday, Wednesday, and Friday mornings from 7:30 to 8:30 A.M. for the whole year.*

CHORAL MUSIC 11: CONCERT CHOIR (MCMCC11)

Prerequisite: NONE (It is preferred, but not essential, that students have previous music experience in voice, instrumental, or piano.)

Students will learn and perform music from all styles (classical, jazz, and pop). The basics of singing and music reading will be taught. Students must be willing to sing and perform in class and in concert situations. Evaluations will include individual singing.

This is a practical course. Attendance is mandatory. To receive credit for this course, students must perform in **all** concerts. Home and extra-curricular practice will be necessary.

CMCC 11 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 production as part of their course work. The musical is performed for the public in the first weekend in December. The music tour and fund raising are optional.

INSTRUMENTAL MUSIC 11: CONCERT BAND 11(MIMCB11)

Prerequisite: 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. The music tour and fund raising are optional.

INSTRUMENTAL MUSIC 11: GUITAR (MIMG-11) Prerequisite: NONE

This course is open to the beginning and intermediate guitar player. Students will be introduced to various guitar techniques: strumming, finger picking, chords, theory, and note reading. Song styles include various popular and classical genres. Students must provide their own acoustic guitar. This course meets the fine arts requirement for graduation.

INSTRUMENTAL MUSIC 11: JAZZ BAND 11 (MIMJB11)

Prerequisites: Jazz Band 10, play traditional jazz band instruments (saxophone, trumpet, trombone, percussion, piano and bass guitar), and an audition and/or recommendations from the previous band teachers are necessary. 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 soloing will be emphasized and encouraged. Accuracy in ensemble playing will be stressed.

Jazz Band classes meet Monday, Wednesday and Friday mornings from 7:30 – 8:30 A.M. all year long.

CHORAL MUSIC 12: CONCERT CHOIR (MCMCC12)

Prerequisite: Choral Music 11

Skills from Choral Music 11 will be further developed. More voice independence is stressed and sight-singing skills will be developed.

This is a practical course. Attendance is mandatory. To receive credit for this course, students must perform in **all** concerts. Home and extra-curricular practice will be necessary.

CMCC 12 is a “ninth block” course and which meets Tuesdays and Thursdays from 3:30-5:30 p.m. Choir students are encouraged to be involved in the musical production as part of their course work. The music tour and fund raising are optional.

INSTRUMENTAL MUSIC 12: CONCERT BAND 12 (MIMCB12)

Prerequisite: 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.

INSTRUMENTAL MUSIC 12: JAZZ BAND (MIMJB12)

Prerequisite: Jazz Band 11. Students must be enrolled in Concert Band 12 concurrently or consult with the teacher.

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 classes meet Monday, Wednesday, and Friday mornings from 7:30 – 8:30 A.M. all year long.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 10 (MPE--10) Prerequisite: NONE

The aim of this course is to provide opportunities for all students to develop knowledge, movement skills, and positive attitudes and behaviours that will aid them in living an active, healthy lifestyle. The units of activity will fall under the categories of: Individual and Dual Activities (i.e. Badminton, Weight Training, Pickle Ball, CPR), Team Games (i.e. Volleyball, Soccer, Football, Minor Games) and Rhythmic Movement (i.e. Social Dance, Aerobics, Gymnastics).

SUPERFIT BASKETBALL 10 BAA (YHRA-0B) Prerequisite: NONE

The aim of this course is to help students develop their overall individual basketball skills and knowledge of the game. Students will also learn to develop a sport specific fitness program which will include conditioning and weight training. Students who take this course must be prepared to work hard and commit to early morning sessions.

This course is a “ninth block” course. Students meet in the gym in the mornings before regular classes begin.

This course is NOT suitable for students who are already involved in multiple sport programs either at school and/or in the community. Participating in and following individual strength training programs, school team sports and community sport programs in addition to Superfit Basketball 10 at the same time could expose the students to injuries due to overtraining.

HUMAN PERFORMANCE 11 BAA (YHRA-1A) Prerequisite: Physical Education 10

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.

LEISURE AND RECREATION FITNESS ACTIVITIES 11 BAA (YLRA-1A)

Prerequisite: Physical Education 10

What is there to do in the Terrace area? This course is designed to expose students to the activities available to. Students will develop physical and teamwork skills associated with recreational sports and outdoor activities. They will learn about being prepared for the outdoors with a focus on orienteering and outdoor survival. While this course includes both indoor and outdoor activities, much of the time will be spent outdoors. Students **MUST** be prepared to participate in outdoor activities no matter what the weather. They must be prepared for fitness activities as well as fieldtrips of various physical demands. Students will be leaving the school grounds on a regular basis; however the types of fieldtrips are dependent on many factors such as availability, weather, student behaviour, and class fundraising efforts.

PHYSICAL EDUCATION 11 (MPE--11) Prerequisite: Physical Education 10

The aim 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 commitment 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 BAA (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 that we will touch base on in this class will 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. This is a full year class starting in September that is scheduled for every other day from 7:15 – 8:15 A.M.

This course is a “ninth block” course. Students meet in the gym in the mornings before regular classes begin.

This course is NOT suitable for students who are already involved in multiple sport programs either at school and/or in the community. Participating in and following individual strength training programs, school team sports and community sport programs in addition to Superfit Basketball 11 at the same time could expose the students to injuries due to overtraining.

HUMAN PERFORMANCE 12 BAA (YHRA-2A) Prerequisite: Teacher's permission

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.

PHYSICAL EDUCATION 12 (MPE--12) Prerequisite: Physical Education 11

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

SUPERFIT BASKETBALL 12 BAA (YHRA-2B) Prerequisite: 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 that we will touch base on in this class will 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. This is a full year class starting in September that is scheduled for every other day from 7:15 – 8:15 A.M.

This course is a “ninth block” course. Students meet in the gym in the mornings before regular classes begin.

This course is NOT suitable for students who are already involved in multiple sport programs either at school and/or in the community. Participating in and following individual strength training programs, school team sports and community sport programs in addition to Superfit Basketball 12 at the same time could expose the students to injuries due to overtraining.

SCIENCES

SCIENCE 10 (MSC--10) Prerequisite: NONE

The mandatory provincial exam is worth 20% of the final course mark. This course is divided into four areas of study:

- A) *Biology* – Biomes, Ecosystems and Effects on Ecosystems
- B) *Chemistry* – Chemical compounds, Chemical reactions, Acids and Bases, Reaction Rate and Nuclear Reactions
- C) *Physics* – Motion, Velocity and Acceleration
- D) *Earth Sciences* – Heat transfer, Weather, Plate tectonics

Successful completion of Science 10 will help students decide which areas of science they will study in grades 11 and 12.

BIOLOGY 11 (MBI--11) Prerequisite: Science 10

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

CHEMISTRY 11 (MCH--11) Prerequisite: Science 10

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) Prerequisite: Science 10

This course is designed to introduce 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). Geography and geological sections will focus on the Northwest.

PHYSICS 11 (MPH--11)

Prerequisite: Science 10 and Foundations Mathematics and Pre-Calculus 10 or a very high mark in Apprenticeship and Workplace Mathematics 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.**

SUSTAINABLE RESOURCES 11 (MSR--11) Prerequisite: Science 10

Sustainable Resources 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 to a provincial perspective.

Topics for Sustainable Resources 11 are forests and society, forest ecology, plant biology, plant identification, animals, measurement, land-use planning, forest management, and forest products.

BIOLOGY 12 (MBI--12) Prerequisite: Biology 11

Biology 12 focuses on human biology, allowing students to develop an interest in and understanding of science by looking 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.

Students with a grade below 60% in Biology 11 are not recommended to take this course.

CHEMISTRY 12 (MCH--12) Prerequisite: Chemistry 11

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.

Students with a grade below 60% in Chemistry 11 are not recommended to take this course.

GEOLOGY 12 (MGEOL12) Prerequisite: Physics 11, Biology 11, or Chemistry 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) Prerequisite: Physics 11, Pre-Calculus 11

Physics 12 is the study of classical mechanics and electromagnetism and is 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.

Students with a grade below 60% in Physics 11 are not recommended to take this course.

SOCIAL STUDIES

Social Studies 10 is a required course. The other requirement can be met by Civics 11, Sciences Humaines 11, Social Studies 11, or B. C. First Nations Studies 12. All other Social Studies courses are electives.

HISTORY THROUGH POPULAR CULTURE 10 (YSSC-0A) Prerequisite: NONE

History is all around us. From video games, music, books and movies, you already know a lot about the past. This course will journey from the Dark Ages to the Atomic Age (post WWII) using popular culture you are familiar with to learn more about the various eras. From Beowulf to Captain Jack Sparrow to The Family Guy, travel through time as you study. History Through Popular Culture 10 is not your typical textbook Socials class! It will be hands on, engaged learning for active participants.

SOCIAL STUDIES 10 (MSS--10) Prerequisite: NONE

Students will build upon previously learned skills to further develop their critical thinking skills, research and media literacy skills and communication skills. Students will learn about the historical and economic development of the Canadian nation from 1815 to 1914 including an examination of the physical geography of Canada. The course examines the changing social and cultural makeup of Canada during these times. It also deals with the events that shape Canada's government system and the effect the National Policy had on Canada's development. The knowledge, skills, and values developed in social studies help students to know and appreciate the past, to understand the present and to influence the future.

PSYCHOLOGY 11 BAA (YPSYC1A) An introduction to human behaviour

Prerequisite: Social Studies 11 or permission of the instructor

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. Psychology 11 will also briefly delve into aspects of sociology, anthropology, and criminology. This course will provide students with a better understanding of human behaviour and will help to improve personal self-awareness.

SOCIAL STUDIES 11 (MSS--11) Prerequisite: Social Studies 10

The focus is on contemporary Canada and World Affairs. Canadian history, government, law and social issues, the global environment, current events, and other topics will be studied.

The mandatory provincial examination is worth 20% of the final mark.

B.C. FIRST NATIONS STUDIES 12 (MFNS-12) Prerequisite: Social Studies 10

This course is open to all students. Its aim is to provide history and current events from a First Nations perspective. The course focuses on First Peoples of British Columbia.

Students may use B.C. First Nations Studies 12 to meet their Social Studies 11 requirement or as a grade 12 elective.

The mandatory provincial examination is worth 20% of the final mark.

GEOGRAPHY 12 (MGEO-12)

Prerequisite: Social Studies 11 or Civic Studies 11 or Sciences Humaines 11

Geography 12 is a discipline that integrates many subjects and addresses both the physical and human-created systems of the world in the study of people, places, and environments. Topics to explore are the environment, weather, climate, mapping, geomorphology, land use, and resource development. Hands-on projects and field work are important components of this course. Geography and geological sections will focus on local Northwest examples.

HISTORY 12 (MHI--12) Prerequisite: Social Studies 11 or Civic Studies 11 or Sciences Humaines 11 or permission from the teacher.

This course examines World History through a global perspective from the late 1800's through to current day. Topics are approached through a thematic perspective beginning with immigration issues and cover topics such as, but not limited to:

- Early Immigration to Canada and the United States (1850's – 1900's)
- World Wars I & II and the rise of German, Russian and British superpowers as well as the rise of China, Japan and the United States during these periods and into present day
- Interwar Period and the Great Depression
- Loss of empire control and effects
- Despots and Genocides of the 1900's to present
- The Cold War
- Unrest in Asia & Africa and its effects on current day world affairs

This is a participation based class, with methods of instruction including: the study of several films of historical significance, role plays, interviews, internet research, lecture and limited text use as background and supplementary material.

LAW 12 (MLAW-12) Prerequisite: Social Studies 11 or Civics 11 or Sciences Humaines 11

Law 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 become familiar with Canadian law. The final assignment (Law Manual) is worth 20% of the final grade.

Students who have difficulty with reading and written output who are taking Communications, or who scored below 60% in Socials 11, Civics 11 or Sciences Humaines 11 are cautioned about taking this course.

PSYCHOLOGY 12 BAA (YPSYC2A) An introduction to abnormal and deviant behaviour

Prerequisite: Psychology 11 (and a grade of 60% or higher) and Socials 11 or permission from the instructor

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, peer pressure and genocides.

SOCIAL JUSTICE 12 (MSJ--12)

Prerequisite Social Studies 11 or Civic Studies 11 or Sciences Humaines 11

Be the change you want to see in the world! "What is social justice? Social Justice means the basic human rights of all people are upheld. Topics can include the following issues: racism, homophobia, sexism, poverty, and globalization. This course will offer you the opportunity to look at the causes and consequences of oppression and injustice, both in Canada and globally.

Term 1: You will be asked to define personal and social responsibility when examining oppression based on ability, age, ethnicity, religion, gender, sexual orientation, socio-economic status, marital and family status. You will analyze both the causes and consequences of injustice and explore viable solutions by understanding how social change has occurred in the past.

Term 2: The Final Action project will take most of the second term to complete and is a series of assignments based on raising awareness of a Social Justice issue or theme of the student's choice in consultation with the teacher. Self-motivated and disciplined students will find success in this class. Students who are

uncomfortable presenting to groups will find this class difficult since a lot of the content will need to be presented to various people both inside and outside of Caledonia.

Challenge yourself to be an educated, fair, and open-minded global citizen!

TRANSITIONS TO ADULTHOOD 12 BAA (YMIS-2A) Prerequisite: NONE

Often students are unaware of the adult experiences they will soon be expected to cope with as they enter post-secondary education or the adult work world. Finances will be a large component of the course as students build a financial plan and learn to recognize the different components that impact their personal finances. Students will learn how to: apply for loans as well as how to make payments for experiences; prioritize purchases and how to stay on track with their financial goals; apply to be a tenant and the tenancy rules; many other money-related concerns. This course will provide support to complete the required graduation transitions with a more in-depth look at aspects of significance to young adults. The course will provide a narrow range of topics to develop skills and knowledge required to make decisions in their present near-adult lives.

TECHNOLOGY EDUCATION

TECHNOLOGY EDUCATION 10: DRAFTING AND DESIGN 10 (MTED-10)

Prerequisite: NONE

Drafting is essential in all Trades and Engineering careers. A good understanding of drafting will be a benefit to any person looking at a career in the trades or engineering. 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 be required to create their own house plan and model as a final project in this class.

TECHNOLOGY EDUCATION 10: MECHANICS (MTEC-10) Prerequisite: NONE

This course is designed to introduce students to a mechanics shop environment and internal combustion engines. Students who would like to take automotive 11 or 12 courses are encouraged to take mechanics 10. Students must provide their own coveralls and safety glasses for this course. This course involves both classroom and shop-based work with emphasis on hands on activities and project based participation.

TECHNOLOGY EDUCATION 10: METALWORK (MTEM-10) Prerequisite: NONE

This course is designed to introduce students to a metal work shop environment and the hand tools and machines that are typically used in those areas. Students who would like to take metal work 11 and 12 courses are encouraged to take metal work 10. Students must provide their own safety glasses for this course. This 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.

TECHNOLOGY EDUCATION 10: WOODWORK (MTEW-10) Prerequisite: NONE

This course is an introductory course open to all students. It is a practical “project driven” course with an emphasis on the safe operation of both machine and hand tools. In this course the student will design and construct wood projects in the areas of carpentry and joinery. The student will be responsible for the cost of project materials. Students are responsible for the cost of materials.

AUTOMOTIVE TECHNOLOGY 11 (MAT--11) Prerequisite: NONE

Students must provide their own coveralls and safety glasses. The study of automotive operating systems (engine lubrication, engine cooling, brakes, steering, etc.) is accomplished by 40% classroom and 60% service floor work. The nature of the work requires that a student be industrious and responsible.

CARPENTRY AND JOINERY 11 (MCJ--11) Prerequisite: NONE

Students must pay for the materials used in their chosen projects chosen by them. This course is designed to develop skill cutting, shaping, fitting, and turning wooden articles using machine tools. Safety and correct procedures are stressed while doing small projects. Students are encouraged to complete one major project of their own design. Both inexperienced and moderately experienced students are welcome.

DRAFTING AND DESIGN 11 (MDD--11) Prerequisite: NONE

Drafting is essential in all Trades and Engineering careers. 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 course will include Sketching, Hand drafting and CADD (Computer Aided Drafting and Design). An emphasis will be on careers and

trades that require an understanding of drafting and computer based design. Students will be required to create their own house plan and model as a final project in this class.

ELECTRONICS 11 (MEL--11) Prerequisite: NONE

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 will also be introduced in this course. This course involves both classroom and shop-based work with emphasis on hands on activities and project based participation.

JEWELRY AND ART METAL 11 (YIA--1A) Prerequisite: NONE

This course is designed to introduce students to some of the concepts and techniques used in designing and building one of a kind jewelry and art metal projects. Students will be required to familiarize themselves with many types of jewelry making techniques and machines and tools used in a metal working shop. Students must provide their own safety glasses for this course. This course involves both classroom and shop-based work with emphasis on hands on activities and project based participation.

METAL FABRICATION AND MACHINING 11A (MMFM-11)

Prerequisite: NONE (Metal 9/10 recommended)

Students must pay for the materials used in their chosen projects. This course will cover basic metal working 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 the student.

AUTOMOTIVE TECHNOLOGY 12 (MAT--12)

Prerequisite: Automotive Technology 11

This course emphasizes operational and repair procedures.

AUTOMOTIVE TECHNOLOGY 12: AUTOMOTIVE ELECTRICITY AND ELECTRONICS (MATE-12) Prerequisite: Automotive Technology 11

This course examines automotive electrical systems principles of operation and repair techniques highlighted by practical application.

AUTOMOTIVE TECHNOLOGY 12: ENGINE AND DRIVE TRAIN (MATD-12) Prerequisite: Automotive Technology 11

This course's emphasis is on service and repair procedures of driveline and engine components.

CARPENTRY AND JOINERY 12 (MCJ--12) Prerequisite: Carpentry and Joinery 11

Students must pay for the materials used in their chosen projects. This course builds on the woodworking skills developed in Carpentry and Joinery 11 with a focus on more advanced joinery techniques, design, and finishing projects. Students will be asked to do a mandatory review/skill building project to start the year. Students will be encouraged to build projects of their own design.

CARPENTRY AND JOINERY 12: CABINET CONSTRUCTION (MCJC-12)

Prerequisite: Carpentry and Joinery 11

Students must pay for the materials used in their chosen projects. This course will focus on cabinet construction and repair.

CARPENTRY AND JOINERY 12: FURNITURE CONSTRUCTION (MCJF-12)

Prerequisite: Carpentry and Joinery 11

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 AND DESIGN 12 (MDD--12) Prerequisite: Drafting 11

Drafting is essential in all Trades and Engineering careers. A good understanding of drafting will be a benefit to any person looking at a career in the trades or engineering. This course develops more advanced skills in creating and understanding technical drawings. The course will include Sketching, Hand drafting, and CADD (Computer Aided Drafting and Design). An emphasis will be on careers and trades that require an understanding of drafting and computer based design. Students will be required to problem solve design and construction problems which are common in the work force. Students will be required to create their own house plan and model as a final project in this class.

DRAFTING AND DESIGN 12: ADVANCED DESIGN (MDDA-12)

Prerequisite: Drafting and Design 12

Drafting is essential in all Trades and Engineering careers. A good understanding of drafting will be a benefit to any person looking at a career in the trades or engineering. This course will provide advanced skills in creating and understanding technical drawings. The course will include Sketching, Hand drafting and CADD (Computer Aided Drafting and Design). An emphasis will be on careers and trades that require an understanding of drafting and computer based design. Students will be required to create their own house plan and model as a final project in this class. Independent drafting and problem solving mixed with time management will be required by students interested in advanced drafting and design.

ELECTRONICS 12 (MEL--12) Prerequisite: Electronics 11

This is an extension of Electronics 11. We will be designing and building circuitry used for projects centered 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.

JEWELRY AND ART METAL 12 (YIA--2A) Prerequisite: Jewelry and Art Metal 11

This is an extension of Jewelry and Art Metal 11. Students will be required to use the tools and machinery of the jewelry trade to produce personal projects. Entrepreneurial skills will also be explored in this class. Students must provide their own safety glasses for this course and any other personal tools that may be required. This course involves both classroom and shop-based work with emphasis on hands on activities and project based participation.

METAL FABRICATION AND MACHINING 12 (MMFM-12)

Prerequisite: Metal Fabrication and Machining 11

Students must pay for the materials used in their chosen projects. This course is a continuation of the grade 11 course as well as more advanced theory of metalwork. The projects that are to be built must include the techniques that will be laid out for the student either in a large project or several smaller projects.

METAL FABRICATION AND MACHINING 12: ADVANCED FABRICATION (MMFMF12)

Prerequisite: Metal Fabrication and Machining 12

VISUAL ARTS

MEDIA ARTS 10 (MVAM-10) Prerequisite: NONE

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. First we'll ensure everyone has a firm grasp of Microsoft Office, before moving on to Adobe Photoshop, InDesign, and finally manual operation of DSLR cameras for photography and video. You will create graphics, 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 the process. This course includes a mix of group work and independent work, and is a great fit for anyone willing to explore their creativity.

NORTHWEST COAST ART AND DESIGN 10 BAA (YAES-OA) Prerequisite: NONE

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, mural, carving, clay tiles, 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. Where possible, fieldtrips will be included in the course.

VISUAL ARTS 10 (MVAG-10) Prerequisite: NONE

This course is an introduction to the Art Foundations 11/12 and Studio Art 11/12 courses. The content may cover the basics of drawing, painting, print making, sculpture, digital art and art concepts such as composition and art history. Visual Arts 10 is designed to build on existing art skills while accommodating students new to art courses.

ART FOUNDATIONS 11 (MAF--11) Prerequisite: NONE

This is a studio art course in which students learn to draw and paint both realistically and expressively using a variety of media. Digital art, printmaking, and sculpture skills are also covered. 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 be more inventive and creative.

COMMUNITY LEADERSHIP 11 BAA (YCPA-1A) Prerequisite: NONE

Do you want to bring the Cal community together? Are you interested in helping raise awareness and funds for the greater global community? This may be the course for you. Throughout the semester, the group will design and execute several projects to raise awareness for an issue, ignite school spirit, assist our local community and create the 2016-17 Yearbook. You will also have the opportunity to pursue a personal goal. Learn a wide range of skills about event planning, graphic design, photography, social media marketing and more. This course suits the motivated, organized, creative team player who has a genuine interest in fostering community. Students must be willing to dedicate extra time outside of class, and are expected to continue creating the Yearbook in second semester.

DIGITAL PHOTOGRAPHY 11 BAA (YVPA-1B) Prerequisite: NONE

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, and will frequently require work outside of the classroom.

MEDIA ARTS 11 (MVAMT11) Prerequisite: NONE

(Media Art 10 is strongly recommended as a good base for understanding computer programs and learning design skills for those with no experience)

Building on the basics, Media Art 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 AND DESIGN 11 BAA (YAES-1A) Prerequisite: NONE

This course is an intermediate course looking at traditional and innovative Northwest Coast art and design. The course starts with a focused technique practice in drawing and painting. Opportunities for projects may include printmaking, clay tiles, 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. Where possible, fieldtrips will be included in the course.

STUDIO ART 11: DRAWING AND PAINTING (MSADP11) Prerequisite: None

Studio Art is a drawing and painting course for students who are intent on developing their two dimensional art and design skills, and who have an aptitude or active interest in art. Art history, digital art, and printmaking may also be explored.

ART CAREERS 12 (YSEVC2A)

Prerequisite: Art Foundations 12, First Nations art 12, Photography 12 or Media Arts 12 or permission of the instructor.

This course is designed to help prepare students to enter into the art world and to continue with visual art after high school. Students are given the opportunity to explore aspects of being a professional artist, different art careers and post-secondary art programs. Students will build an art portfolio geared towards art galleries and /or art school. Evaluation is based on exploration of art topics, portfolio, an art presentation and the student's ability to work independently.

ART FOUNDATIONS 12 (MAF--12) Prerequisite: Art Foundations 11

This is the intermediate studio art course. Students continue to develop creativity in drawing, painting, sculpting, and printmaking. Cultural and historical contexts are incorporated into art projects. Students can also develop independent projects or prepare for a final solo exhibition of their work.

ART FOUNDATIONS 12: ADVANCED (MAFA-12) Prerequisite: Art Foundations 12

This is an advanced studio art course where students are expected to be self-directed and work independently. 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. Evaluation is portfolio based.

COMMUNITY LEADERSHIP 12 (YCPA-2A) Prerequisite: NONE

Do you want to bring the Cal community together? Are you interested in helping raise awareness and funds for the greater global community? This may be the course for you. Throughout the semester, the group will design and execute several projects to raise awareness for an issue, ignite school spirit, assist our local community and create the 2016-17 Yearbook. You will also have the opportunity to pursue a personal goal. Learn a wide range of skills about event planning, graphic design, photography, social media marketing and more. This course suits the motivated, organized, creative team player who has a genuine interest in fostering community. Students must be willing to dedicate extra time outside of class, and are expected to continue creating the Yearbook in second semester.

DIGITAL PHOTOGRAPHY 12 BAA (YVPA-2B) Prerequisite: Photography 11

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, advertising, and theatrical photography with a focus on self-directed projects. Students are expected to be able to work independently and to be extreme self-motivated. Each student taking this course will need to provide his or her own digital camera, preferably a single lens reflex type.

INDEPENDENT DIGITAL ARTS 12 BAA (MVAMT12)

Prerequisite: Digital Arts and Animation 11 OR Digital Photography 11.

This course is for students who have previously taken Digital Arts 11 or Photography 11 with a strong result. In this advanced course, students will choose areas to study for the semester. Students must be highly motivated in order to be successful in this self-directed course. 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 and more. Students will share their work with each other as it progresses on a weekly basis, inviting feedback and critique.

NOTE: Students are expected to be able to work independently and to be extremely self-motivated. Students with a mark of less than 75% in Media Arts 11 or Photography 11 may find this course challenging.

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

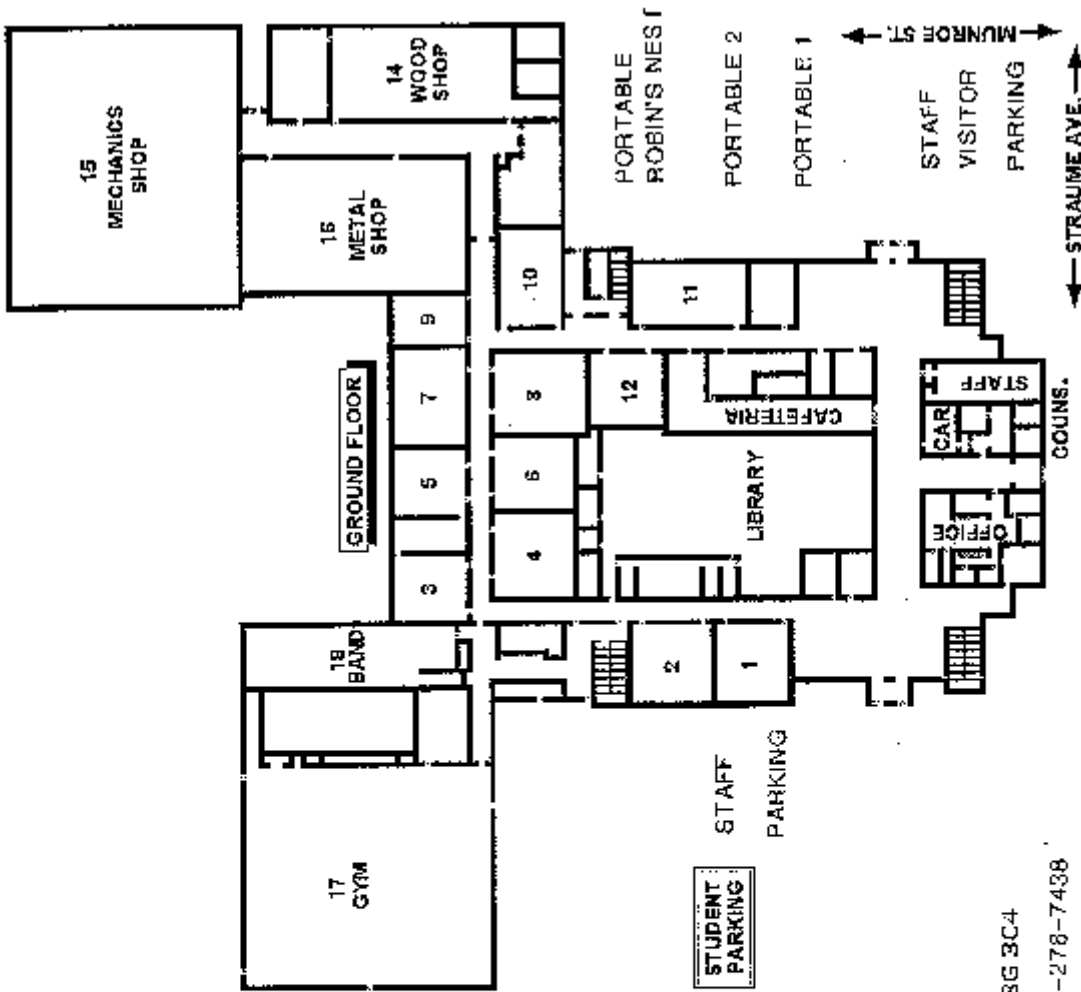
Prerequisite: Northwest Coast Art and Design 10 or 11

Traditional aboriginal art of the Northwest Coast continues to be explored with drawing, painting, carving and printmaking. Students learn to construct and use templates of 2D design and draw original crest designs. 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, clay tiles, paintings, murals, carving, and fibre arts, among others. Where possible, fieldtrips will be included in the course.

STUDIO ART 12: DRAWING AND PAINTING (MSADP12)

Prerequisite: Studio Art 11: Drawing and Painting

This is an advanced drawing and painting course for serious art students. Other two dimensional aspects, such as printmaking, will also be explored. Those taking this course will look at historical contexts to their art and apply their skills in a number of interesting projects. The opportunity is given for independent art projects, supported research of art schools and careers, portfolio development and art show presentations.



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