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INTRODUCTION

The content of this booklet can also be located at: <http://churchill.vsb.bc.ca/> under the “Teaching and Learning” tab; click on the “Courses” page. This booklet is intended for the use of our students and their parents or guardians. These course descriptions are offerings by departments of the school. Courses may not be offered if projected enrolment is too low.

Students are encouraged to familiarize themselves with the content of this booklet. It is the obligation of the student, in consultation with the Counsellor, to ensure that the student has chosen an array of courses that meet graduation and post-secondary institution entrance requirements.

How to use this booklet:

1. Study the graduation requirements.
2. Read the Course Descriptions for the core academic courses: English, Socials, Math, Science, PE and Languages (if any).
3. Look for additional (elective) courses based on your
 - a. Interests;
 - b. Abilities; and
 - c. Possible use in a future vocation.
4. Select eight courses.
5. If you have questions ask your grade counsellor or teachers in the appropriate department.
6. Do not assume you will be allowed to drop out of a course once you have chosen it. The final decision rests with the grade administrator.

COURSE SELECTION PROCESS

Students will begin the process of selecting courses for the following school year in February. Students select a full program of studies (8 courses per year) which meet the following goals:

1. Graduation requirements for British Columbia;
2. Support future plans, such as entrance to college or university.

A Course Planning Night will be held on **Wednesday, January 29th at 7:00 pm**. This evening is intended to assist students/parents with course decisions for the following school year.

Prior to Spring Break, all students in Grades 8 through 11 will have completed their course selections. Students will be selecting their courses through the MyEdBC computer system. It is imperative that parents/guardians and students are comfortable with the site and that all students are aware of their passwords. Counsellors will be assisting students with the selection of their courses.

B.C.'s Curriculum Structure

Core Competencies

The Core Competencies are the foundation of the redesigned curriculum. The Core Competencies are sets of intellectual, personal and social-emotional proficiencies that all students need to develop in order to engage in deep, life-long learning. Students develop Core Competencies when they are engaged in the “doing” – the Curricular Competencies – within a learning area. As such, they are an integral part of the curriculum. While they manifest themselves uniquely in each area of learning, the Core Competencies are often interconnected and are foundational to all learning. Through consultation with stakeholders across the province, three Core Competencies were identified:

1. **COMMUNICATION** - with two sub-competencies - **Communicating** and **Collaborating**
2. **THINKING** - with two sub-competencies - **Creative Thinking** and **Critical Thinking**
3. **PERSONAL & SOCIAL** - with three sub-competencies - **Personal Awareness and Responsibility, Positive Personal and Cultural Identity**, and **Social Awareness and Responsibility**

Core Competencies will be integrated throughout the curriculum of all classrooms. Students are expected to reflect upon the learning process and self-assess their development of the Core Competencies. Students will document their self-assessments using their myBlueprint account.

Concept-based, competency-driven curriculum

British Columbia's redesigned curriculum brings together two features that most educators agree are essential for 21st-century learning: a concept-based approach to learning and a focus on the development of competencies, to foster deeper, more transferable learning. These approaches complement each other because of their common focus on active engagement of students. Deeper learning is better achieved through “doing” than through passive listening or reading. Similarly, both concept-based learning and the development of competencies engage students in authentic tasks that connect learning to the real world.

Flexible learning environments

Learning can take place anywhere, not just in classrooms. Many schools and teachers create learning environments that explore the use of time and space in creative ways. The integration of areas of learning and technology also have opened the door for teachers and schools to approach the use of time and space in creative ways – ways that adapt to the students' needs and interests.

Curriculum Model

Three elements, the Content (Know), Curricular Competencies (Do), and Big Ideas (Understand) all work together to support deeper learning. British Columbia's curriculum design enables a personalized, flexible and innovative approach at all levels of the education system. All areas of learning have been redesigned using this model.

Content (Know)

The Content learning standards — the “Know” of the Know-Do-Understand model of learning — detail the essential topics and knowledge at each grade level.

Curricular Competencies (Do)

The Curricular Competencies are the skills, strategies, and processes that students develop over time. They reflect the “Do” in the Know-Do-Understand model of learning. While Curricular Competencies are more subject-specific, they are connected to the Core Competencies.

Big Ideas (Understand)

The Big Ideas consist of generalizations and principles and the key concepts important in an area of learning. They reflect the “Understand” component of the Know-Do-Understand model of learning. The big ideas represent what students will understand at the completion of the curriculum for their grade. They are intended to endure beyond a single grade and contribute to future understanding.

GRADUATION REQUIREMENTS (as of July, 2019)

B.C. Certificate of Graduation (Dogwood Diploma)

The B.C. Certificate of Graduation, or Dogwood Diploma, is awarded to students who successfully complete the provincial graduation requirements. To graduate, students require at least 80 credits total.

Of these 80 credits:

- 52 credits are required from the following:
 - Physical and Health Education 10 (4 credits).
 - Science 10 (4 credits), and a Science 11 or 12 (4 credits).
 - Social Studies 10 (4 credits), and a Social Studies 11 or 12 (4 credits).
 - A Math 10 (4 credits), and a Math 11 or 12 course (4 credits).
 - A Language Arts 10, 11, and a required 12 course (4 credits required at each grade, 12 credits total).
 - An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits total).
 - Career-Life Education (4 credits), and Career-Life Connections (4 credits).
- At least 28 credits must be elective course credits.
- At least 16 credits must be at the Grade 12 level, including a required Language Arts 12 course and the Career-Life Connections course.

In addition, students must also complete three Provincial Graduation Assessments:

- Grade 10 Graduation Literacy Assessment;
- Grade 10 Graduation Numeracy Assessment; and
- Grade 12 Graduation Literacy Assessment.

French Immersion/Francophone Dual Dogwood

French Immersion students can earn both a British Columbia Certificate of Graduation (Dogwood Diploma) and a Diplôme de fin d'études secondaires en Colombie-Britannique.

To graduate with both diplomas, French Immersion students must meet the graduation requirements for the Dogwood Diploma and, of these 80 credits, they must earn:

- At least 16 credits at the Grade 12 level (including a Français langue seconde- immersion course at the Grade 12 level).
- Français langue seconde-immersion 10 (4 credits).
- A Français langue seconde-immersion course at the Grade 11 level (4 credits) or IB French A2 (SL) 11.
- Français langue seconde-immersion 12 (4 credits).
- At least 12 credits in Grade 10, 11, or 12 courses that are in French with at least 4 of these credits at the Grade 11 or 12 level.

In addition, French Immersion students must also complete four Provincial Graduation Assessments:

- Grade 10 Graduation Numeracy Assessment (English or French);
- Grade 10 Graduation Literacy Assessment;
- Grade 12 Graduation Literacy Assessment; and
- Évaluation de littératie – Français langue seconde-immersion 12.

Francophone students can earn both a British Columbia Certificate of Graduation (Dogwood Diploma) and a Diplôme de fin d'études secondaires en Colombie-Britannique.

To graduate with both diplomas, Francophone students must meet the graduation requirements for the Dogwood Diploma and, of these 80 credits, they must earn:

- At least 16 credits at the Grade 12 level (including a required Language Arts 12 course).
- An English Language Arts course at the Grade 10 level (4 credits).
- An English Language Arts course at the Grade 11 level (4 credits).
- A required English Language Arts course at the Grade 12 level (4 credits).
- A Français langue première course at the Grade 10 level (4 credits).
- A Français langue première course at the Grade 11 level (4 credits).
- Français langue première – Français langue et culture 12 (4 credits).

In addition, Francophone students must also complete five Provincial Graduation Assessments:

- Évaluation de numératie 10;
- Grade 10 Graduation Literacy Assessment;
- Évaluation de littératie – Français langue première 10;
- Grade 12 Graduation Literacy Assessment; and
- Évaluation de littératie – Français langue première 12.

Sir Winston Churchill Secondary School 2020-2021 Course Selection Guide

Summary of Graduation Requirements: Dogwood Diploma			
	Grade 10	Grade 11	Grade 12
Required: minimum 52 credits			
English Language Arts	Choose two 2-credit courses: <input type="checkbox"/> Composition 10 <input type="checkbox"/> Creative Writing 10 <input type="checkbox"/> Literary Studies 10 <input type="checkbox"/> New Media 10 <input type="checkbox"/> Spoken Language 10 <input type="checkbox"/> EFP Writing 10 <input type="checkbox"/> EFP Literary Studies 10 <input type="checkbox"/> EFP New Media 10 <input type="checkbox"/> EFP Spoken Language 10	Choose one 4-credit course: <input type="checkbox"/> Composition 11 <input type="checkbox"/> Creative Writing 11 <input type="checkbox"/> Literary Studies 11 <input type="checkbox"/> New Media 11 <input type="checkbox"/> Spoken Language 11 <input type="checkbox"/> EFP Literary Studies and Writing 11 <input type="checkbox"/> EFP Literary Studies and New Media 11 <input type="checkbox"/> EFP Literary Studies and Spoken Language 11	Choose one 4-credit course: <input type="checkbox"/> English Studies 12 <input type="checkbox"/> English First Peoples 12
Mathematics	Choose one 4-credit course: <input type="checkbox"/> Foundations of Mathematics and Pre-calculus 10 <input type="checkbox"/> Workplace Mathematics 10	Choose one 4-credit course: (Grade 11 or Grade 12) <input type="checkbox"/> Foundations of Mathematics 11 <input type="checkbox"/> Pre-calculus 11 <input type="checkbox"/> Workplace Mathematics 11 <input type="checkbox"/> History of Mathematics 11 <input type="checkbox"/> Computer Science 11	<input type="checkbox"/> Foundations of Mathematics 12 <input type="checkbox"/> Apprenticeship Mathematics 12 <input type="checkbox"/> Pre-calculus 12 <input type="checkbox"/> Calculus 12 <input type="checkbox"/> Geometry 12 <input type="checkbox"/> Statistics 12 <input type="checkbox"/> Computer Science 12
Science	Required 4-credit course: <input type="checkbox"/> Science 10	Choose one 4-credit course: (Grade 11 or Grade 12) <input type="checkbox"/> Physics 11 <input type="checkbox"/> Life Sciences 11 <input type="checkbox"/> Chemistry 11 <input type="checkbox"/> Earth Sciences 11 <input type="checkbox"/> Science for Citizens 11 <input type="checkbox"/> Environmental Science 11	<input type="checkbox"/> Physics 12 <input type="checkbox"/> Anatomy and Physiology 12 <input type="checkbox"/> Chemistry 12 <input type="checkbox"/> Geology 12 <input type="checkbox"/> Environmental Science 12 <input type="checkbox"/> Specialized Science 12
Social Studies	Required 4-credit course: <input type="checkbox"/> Social Studies 10	Choose one 4-credit course: (Grade 11 or Grade 12) <input type="checkbox"/> Explorations in Social Studies 11 <input type="checkbox"/> Francophone History and Culture 11	<input type="checkbox"/> B.C. First Peoples 12 <input type="checkbox"/> Contemporary Indigenous Studies 12 <input type="checkbox"/> Comparative Cultures 12 <input type="checkbox"/> Comparative World Religions 12 <input type="checkbox"/> Economic Theory 12 <input type="checkbox"/> Human Geography 12 <input type="checkbox"/> Physical Geography 12 <input type="checkbox"/> Urban Studies 12 <input type="checkbox"/> 20th Century World History 12 <input type="checkbox"/> Asian Studies 12 <input type="checkbox"/> Genocide Studies 12 <input type="checkbox"/> Political Studies 12 <input type="checkbox"/> Law Studies 12 <input type="checkbox"/> Philosophy 12 <input type="checkbox"/> Social Justice 12
Arts Education/ ADST	Choose 4 credits at either Grade 10, Grade 11, or Grade 12 <input type="checkbox"/> Arts Education (see Table on page 27) <input type="checkbox"/> Applied Design, Skills, and Technologies (ADST) (see Table on page 28)		
Career Education	Required 8 credits in Career Education (Grade 10, Grade 11, or Grade 12) <input type="checkbox"/> Career-Life Education <input type="checkbox"/> Career-Life Connections (including 30 hours of work experience or career-life exploration)		
Physical and Health Education (PHE)	Required 4-credit course: <input type="checkbox"/> Physical and Health Education 10		
Electives: minimum 28 credits			
Depending on the school's offerings and student's choice, the number of electives in each grade level will vary. The 28 elective credits in Grades 10-12 can come from the following options: <ul style="list-style-type: none"> Ministry-developed or Ministry-approved courses Board/Authority Authorized (BAA) courses Independent Directed Studies (IDS) External Credentials Post-Secondary ("dual") credit 			
Elective Courses	Grade 10: 2-5 electives • _____ • _____ • _____ • _____ • _____	Grade 11: 3-5 electives • _____ • _____ • _____ • _____ • _____	Grade 12: 6-8 electives* • _____ • _____ • _____ • _____ • _____
Total: 80 credits required for graduation			
* at least 16 credits must be at the Grade 12 level, including a required Grade 12 Language Arts course and the Career-Life Connections course.			
Graduation Program Assessments			
Required for Graduation	<input type="checkbox"/> Numeracy 10 <input type="checkbox"/> Literacy 10		<input type="checkbox"/> Literacy 12

GRADUATION ASSESSMENTS (as of July, 2019)

The Provincial Graduation Assessment requirements for all students are as follows:

- Students must complete both the Graduation Numeracy Assessment and two Graduation Literacy Assessments as a requirement for graduation.
- In Grade 10:
 - Students are expected to write the Graduation Numeracy and a Graduation Literacy Assessment.
- In Grade 12:
 - Students are expected to write a Graduation Literacy Assessment.
- There will be an opportunity for students to re-write the Provincial Graduation Assessments to improve their achievement level. Until graduation, students may write a Provincial Graduation Assessment up to three times: the original attempt and two re-writes.
- The best outcome for each of the Provincial Graduation Assessments will be recorded on the student's transcripts.

The assessments will be reported on the following scale:

Provincial Graduation Assessments			
Emerging The student demonstrates an initial understanding of the concepts and competencies relevant to the expected learning.	Developing The student demonstrates a partial understanding of the concepts and competencies relevant to the expected learning.	Proficient The student demonstrates a complete understanding of the concepts and competencies relevant to the expected learning.	Extending The student demonstrates a sophisticated understanding of the concepts and competencies relevant to the expected learning.

A student's best proficiency level for the Provincial Graduation Assessments will appear on the student's transcript. However, for the Grade 10 Literacy Assessment and the Evaluation de litt ratie – Fran ais langue premiere 10, the student's transcript will only indicate "RM" ("requirements met"), and not a proficiency level.

Post-Secondary Entrance Requirements

Please refer directly to the website of the post-secondary institution to which you wish to apply. For senior students it is useful to review these requirements before selecting courses, in order to assure you meet the entrance requirements of your desired post-secondary institution. Requirements change frequently, so it is best for you to do your research!

COURSES BY GRADE

GRADE 8 COURSES

Grade 8 Program

Required Courses

- English 8
- Mathematics 8
- Science 8
- Social Studies 8
- Physical Education 8
- French 8
- Applied Skills 8 (Home Ec, Tech, Business Ed)
- Career Education 8 (off timetable)

Elective Courses (choose any 1)

- Fine Arts Rotation 8 (Art, Drama, Music)
- Beginner Band 8
- Junior Band 8
- Beginner Choir 8
- Beginner Strings 8
- Junior Strings 8
- Intermediate Strings 8

Grade 8 FRENCH IMMERSION Program

Required Courses

- English 8
- Mathematics 8
- FI Sciences 8 (FSCF)
- FI Science Humaines 8 (FSCH)
- FI Communications (FADRF)
- FI Language 8 (FRAL)
- Physical Education 8
- Career Education 8 (off timetable)

Elective Courses (choose any 1)

- Fine Arts Rotation 8 (Art, Drama, Music)
- Beginner Band 8
- Junior Band 8
- Beginner Choir 8
- Beginner Strings 8
- Junior Strings 8
- Intermediate Strings 8
- Applied Skills 8 (Home Ec, Tech, Business Ed)

Synergy Program students have specific courses in which they will be scheduled in.

GRADE 9 COURSES

Grade 9 Program

Required Courses

- English 9
- Mathematics 9
- Science 9
- Social Studies 9
- Physical Education – choose 1
 - PE 9 or
 - PE 9 Leadership
- Modern Languages – choose 1
 - French 9 or
 - Spanish 9
- Career Education 9 (off timetable)

Grade 9 FRENCH IMMERSION Program

Required Courses

- English 9
- Mathematics 9
- FI Sciences 9 (FSCF)
- FI Science Humaines 9 (FSCH)
- FI Communications 9 (FADRF)
- FI Language 9 (FRAL)
- Physical Education – choose 1
 - PE 9 or
 - PE 9 Leadership
- Career Education 9 (off timetable)

Elective Courses (CHOOSE 2) (French Immersion Students CHOOSE 1)

- | | |
|--------------------------|-----------------------------------|
| • Beginner Band 9 | • Dance Technique & Performance 9 |
| • Junior Band 9 | • Dance Company 9-12 |
| • Intermediate Band 9 | • Visual Arts 9 |
| • Sr. Concert Band 9-12 | • Marketing 9 |
| • Junior Choir 9 | • Textiles 9 |
| • Beginner Strings 9 | • Foods & Nutrition 9 |
| • Junior Strings 9 | • Tech Ed 9 |
| • Intermediate Strings 9 | • Information Technology 9 |
| • Senior Strings 9 | • Electronics & Robotics 9 |
| • Beginner Guitar 9 | • Graphic Arts 9/10 |
| • Intermediate Guitar 9 | • Jewelry 9/10 |
| • Senior Guitar 9 | • Metalwork 9 |
| • Drama 9 | • Woodwork 9 |
| • Dance Foundations 9 | • |

Synergy Program students have specific courses in which they will be scheduled in.

GRADE 10 COURSES

Grade 10 Program

Required Courses

- English 10 – choose 1
 - Composition 10 with Spoken Language
 - Composition 10 with Fictional Studies
 - Composition 10 with Graphic Novels
- Mathematics – choose 1
 - Foundations of Mathematics 10 or
 - Workplace Mathematics 10
- Science 10
- Social Studies 10
- Physical Education – choose 1
 - PE 10 or
 - PE 10 Leadership
- Modern Languages – choose 1
 - French 10 or
 - Spanish 10

Grade 10 FRENCH IMMERSION Program

Required Courses

- English 10 – choose 1
 - Composition 10 with Spoken Language
 - Composition 10 with Fictional Studies
 - Composition 10 with Graphic Novels
- Mathematics – choose 1
 - Foundations of Mathematics 10 or
 - Workplace Mathematics 10
- FI Sciences 10 (FSCF)
- FI Science Humaines 10 (FSCH)
- FI Communications 10 (FADRF)
- FI Language 10 (FRAL)
- Physical Education – choose 1
 - PE 10 or
 - PE 10 Leadership

<p>Prelude Program students have specific courses in which they will be scheduled.</p>

GRADE 11 & 12 COURSES

Students must take courses that fulfill the Graduation Requirements (page 5-7).

Elective Courses for Grades 10, 11, 12

APPLIED SKILLS

Visual Arts – Drawing & Painting 10
Visual Arts – Art Studio 10
Visual Arts – Photography 10
Studio Arts – Sculpture 10
Annual Production (Yearbook) 10-12
Computer Studies 10
Electronics & Robotics 10
Media Design (Graphic Arts) 10
Metalwork 10, 11
Jewelry 9/10
Woodwork 10
Art Studio 11, 12
Studio Arts – Sculpture 11, 12
Studio Arts – Drawing & Painting 11, 12
Engineering 11, 12
Media Design 11, 12
Drafting 11, 12
Electronics 11, 12
Graphic Arts 11, 12
Jewelry 11
Photography 11, 12
Carpentry & Joinery 11, 12
Robotics 11, 12
Advanced Fabrication 12
Advanced Machining 12

BUSINESS EDUCATION

Accounting 11
Keyboarding 11
Marketing 11
Economics 12
Entrepreneurship 12
Financial Accounting 12

ENGLISH

Debate 10

FINE ARTS

Beginner Concert Band 10, 11, 12
Intermediate Concert Band 10, 11, 12
Senior Concert Band 10, 11, 12
Senior Jazz Band 10, 11, 12
Beginner Choir 10, 11, 12
Intermediate Choir 10, 11, 12
Senior Choir 10, 11, 12
Beginner Strings 10, 11, 12
Junior Strings 10, 11, 12
Intermediate Strings 10, 11, 12
Senior Strings 10, 11, 12
Beginner Guitar 10, 11, 12
Intermediate Guitar 10, 11, 12
Senior Guitar 10, 11, 12
Dance Foundations 10, 11, 12
Dance Technique & Performance 10
Dance Choreography 11, 12
Dance Technique & Performance 11, 12
Dance Company 9-12
Drama 10, 11, 12
Drama – Film & Television 11, 12
Directing & Scriptwriting 12
Film & Television 10
Theatre Production 10, 11
Musical Theatre 10-12

HOME ECONOMICS

Entrepreneurship & Marketing 10
Food Studies 10
Foods & Nutrition 11, 12
Textiles 10, 11, 12
Interior Design 11
Fashion Design 12B
Psychology 11
Relationships 11
Child Development & Caregiving 12
Tourism 12

MATHEMATICS

Computer Science 11, 12

MODERN LANGUAGES

French 11, 12
Introductory Spanish 11
Spanish 11, 12
Introductory Japanese 11
Japanese 11, 12

PHYSICAL EDUCATION

Active Living PE 11, 12
Fitness & Conditioning 11, 12
PE (Basketball) 11, 12

OTHER

Community Service 11
Work Experience 11, 12

COUNSELLING DEPARTMENT

Department Head: Mr. Michael Lattimer

COMMUNITY SERVICE 11 Course Code: YCPM-1D

Previous Course: None. Open to students in Grades 11 or 12. Enrollment is at the discretion of the Grade Counsellor.

Students provide service to specific members of Churchill teaching or office staff. Filing, typing, answering phones, acting as guides to new students, handling the circulation of materials in the library are some of the many functions performed by over 100 community service students. Community Service is a 4-credit course. Interested students are encouraged to make their own contacts with teaching staff who decide if the student is suitable for the service setting. Grades are given each term.

The Counselling Department, the office and the library all use many community service students.

LEARNING SERVICES SUPPORT DEPARTMENT

Department Head: Ms. Christiane Berner

LEARNING STRATEGIES Course Code: XLDCD09, YLE--0A, YLE--1A, YLE--2A

Students may take Learning Strategies (formerly Skills) based on feedback from classroom teachers, counselors and school-based resource teachers. Both the Junior (Grade 8 & 9) and Senior (Grade 10-12) Learning Strategies courses offer students support for their core academic subjects through peer mediated and classroom teacher instruction. Lessons and discussions cover areas such as: core competencies, study strategies, SMART goal setting, organization, and time management.

PEER TUTORING 12 Course Code: YIPS-2B, YIPS-2A

Peer tutoring is a 4-credit course offered at either the Grade 11 or 12 level. Through active participation and under the guidance of a classroom teacher, peer tutors help support various types of learners with their academics with organization, studying, proofreading, problem solving etc. Peer Tutors will examine various theories and approaches to learning and best practice. This course is intended for students who have specific academic strengths and a desire to engage students in their learning.

APPLIED DESIGN SKILLS & TECHNOLOGY

Department Head: Ms. Leanne Tycho

Applied Design Skills and Technology represents a wide variety of courses from:

- Jewelry to Electronics,
- Digital Media to Engineering,
- Woodworking to Metalworking,
- Robotics to Photography
- Everything in-between.

These courses allow you to explore in a hands-on learning environment and gain important skills that will enrich your learning in all areas of education. The aim of ADST is to help all students develop the technological skills needed to live and work effectively in a changing technological world. To achieve this goal, you will learn how to design and create solutions to real world problems and work safely with tools, machinery and equipment. ADST has become an essential component of every student's comprehensive education.

TECHNOLOGY

TECHNOLOGY 9 (ADST 9 GENERAL EXPLORATION: TECH ED) Course Code: MADGE09

Technology 9 is a survey course to explore the various areas in Technical Education. Students use tools and machines to gain experience in a wide range of technologies which may include engineering, woodworking, metalworking, electronic systems, graphic arts, jewelry making, and or photography. Students design and build a variety of interesting and exciting projects, specific to the teacher who is directing the learning.

TECHNOLOGY EXPLORATIONS 10 Course Code: MTEXP10

Technology 10 is a survey course to explore the various areas in Technical Education. Students use tools and machines to gain experience in a wide range of technologies which may include Engineering, Woodworking, Metalworking, Electronic systems, Graphic arts, and/or photography. Students design and build a variety of interesting and exciting challenges and projects.

ENGINEERING

Engineering is a two-year rotated course, which gives a hands-on introduction to first university Engineering. One year we learn about the properties used in structures; Steel, Aluminum, Concrete and Wood. The other year we learn about fluids, air and water. You do not have to take both years as they are each self-contained. The course is a mixture of lessons and hands-on projects to encourage student success.

ENGINEERING 11/12 Course Code: MENR-11/MENR-12

Previous Course: Fundamentals Math 10

This year in Engineering we will be exploring the world of Building Materials. You will have training and access to the machine and wood shop as well as variety of tools to Design, Build and Test your projects. You will learn to Oxy/Acetylene Welding, MIG welding as well as many other machines. All Engineering programs now require students to complete Machine Shop courses in their university programs.

You will be working hands-on the following projects:

- Tensile Strength of Steel and Aluminum
- Heat Treatment of Steels
- Tensile and Compression
- Soil Liquefaction on the Earthquake Table
- Hydraulic Robotics

We will be visiting the UBC Material Science Engineering campus in Surrey and the UBC Materials Engineering Lab. We will look at the various pathways you can follow to your post-secondary education.

ANNUAL PRODUCTION

ANNUAL (YEARBOOK) PRODUCTION 10/11/12 Course Code: YCCT-0C/YCCT-1C/YCCT-2C

This is an application-based course. Students need to submit an application in order to be considered for the class. Applications are available through Mr.Nicks.

Yearbook is a hands-on course where the students and teacher work closely together to produce Churchill Secondary's annual. Students will be given challenging real-world projects and assignments typical of the graphic design and publishing industries. High quality work is expected, and students will be given opportunities to revise work until it meets standards specified during instruction. Classroom activities will include reading, research, projects, and problem solving. Students will often work in teams but will be expected to complete individual assignments in relation to the team's work.

Course Content

- Create and publish Churchill's annual yearbook
- Introduction to the DSLR
- Theory of Photography
- Introduction to Journalism
- Working with the Adobe Suite
- Introduction to Layout Design
- Photo Editing
- Elements and Principles of Art and Design
- Vocabulary to describe and critique projects
- Essential skills for teamwork
- Participating in all things Churchill
- *Students who have taken Digital Photography, Graphics, Info Tech and Yearbook will be given first priority.

COMPUTER TECHNOLOGY

INFORMATION TECHNOLOGY 9 (ADST-INFORMATION AND COMMUNICATIONS TECH 9) Course Code: MADIT09

This course introduces students to information and communication technology in a multimedia environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, website design, programming, and graphic design skills. Throughout the course, there is an emphasis on digital literacy, effective electronic research and communication skills, and current issues related to the impact of information and communication technology.

Course Content

- Microsoft Office (Word, Publisher, Excel, PowerPoint.)
- Keyboarding Fundamentals
- Introduction to Computer Programming using JavaScript (CODE HS)
- Elements and Principles of Art and Design
- Vocabulary to describe and critique projects made in various programs.
- Web Design Software

COMPUTER STUDIES 10 (INFO TECH) Course Code: MCSTU10

The purpose of this course is to give students experience with a variety of computer applications, introduce programming, and develop general problem-solving skills. Some topics and concepts expand on information covered in Information Technology.

Course Content

- Understanding Computer basics.
- Introduction to Computer Programming using Turing, Scratch and Visual Basic.
- Students will develop media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments.
- Working with the Adobe Suite
- Microsoft Office
- Keyboarding
- Problem Solving Models
- Computers and Society
- Intro to Adobe Animate/Flash, HTML.
- Elements and Principles of Art and Design
 - Vocabulary to describe and critique projects



Media Design



MEDIA DESIGN 10 (GRAPHIC ARTS) Course Code: MMEDD10

Open to students in Gr 9

This course is an introduction to all aspects of Digital Art and Design. Using Adobe Suite as a platform, students will create dynamic digital portfolios. Through engaging and personalized projects, build fundamental skills with software such as, Adobe Photoshop, Illustrator, Animate/Flash, Indesign and Premiere.

The Adobe Suite is the industry standard software in Graphic Design careers. Knowledge learned in this course is directly applicable to those students interested in pursuing careers in the computer arts and design areas.

Course content includes:

- Image Manipulation (Photoshop)
- Digital Illustration and Painting (Illustrator)
- Digital Animation (Animate/Flash)
- T-Shirt Design and Creation (Illustrator, Cut Studio)
- Button Making (Indesign)
- Magazine Page Design (Indesign)
- Digital Photography (Lightroom)
- Communication Design (Adobe Suite)
- Web Design (Weebly, Wordpress)

MEDIA DESIGN 11 Course Code: MMEDD11

Students will receive training in software and peripherals with which professional digital artists and designers must be familiar: Adobe Photoshop, Adobe Illustrator, and Adobe InDesign. Students will learn the design process, which can be applied in any field of post-secondary study. Any student considering an art and design career will find this course extremely valuable.

Software used in this course include:

- Adobe Photoshop, Illustrator, Indesign, Lightroom, Animate, and web design software.

MEDIA DESIGN 12 Course Code: MMEDD12

This course will provide students direction and assistance in creating well-rounded, dynamic portfolios. This course is strongly recommended for students applying for post-secondary institutions, or careers in Digital Art and Design. Students will have the ability to create clothing designs using the vinyl cutter and heat press process.

The Adobe suite is the industry standard software in Graphic Design careers. Knowledge learned in this course is directly applicable to students interested in pursuing careers in the computer arts and design areas.

Software used in this course:

- Adobe Photoshop, Illustrator, Indesign, Lightroom, Animate, and web design software.

DRAFTING

Drafting is a project-based course, designed to encourage comprehensive learning. The students will use AutoCAD 2018 to complete a series of building assignments, many of their own design, to learn the various functions within the program. There is a component of individuality in most assignments. We will also look at the various careers within the realm of Drafting.

DRAFTING 10 Course Code: MTDRF10

Drafting and Design 10 is a course designed to introduce the students to the basic fundamentals of:

- Hand Drafting Skills and Concepts
- Introduction to AutoCAD
- Drafting standards and techniques
- The design method for prototypes,

The students will learn a set skill base to help them visualize conceptual drawings. Students will design and build models of their designs.

DRAFTING 11 Course Code: MTDRF11

Open to students in Grade 11 and above.

Drafting and Design 11 is a course designed to introduce the students to the basic fundamentals of:

- AutoCAD 2018
- Drafting standards and techniques
- Draw and model engineering and architectural designs
- Model making to scale

The students will be encouraged to explore certain areas which interest them especially, e.g. landscape architecture, pattern drafting, computer graphics, 3D drawing. Evaluation is ongoing throughout the year and based on drafting and design assignments.

DRAFTING 12 Course Code: MTDRF12

Previous Course: Successful completion of Drafting and Design 11

Drafting and Design 12 is an advanced course. This program is aimed at, but not limited to, the experienced student who has had previous drafting experience. Student will be exposed to several different areas of drafting:

- Architectural and landscape architecture
- 3D Engineering and designing
- Model making
- Site Planning

Students may also consult with the teacher to arrange for a special program in some field related to drafting. This must be done early in the year. Assessment is an ongoing process based on assignments and projects. We will also be looking at various Post-Secondary options available in Engineering and Architecture at BCIT, Langara, Kwantlen and more.

ELECTRONICS AND ROBOTICS

ELECTRONICS (& ROBOTICS) 9 & 10 Course Code: MADER09 & MTEAR10

Establish a solid foundation in electronics. Learn to work safely. Master a wide range of skills useful in engineering and science. Learn to do it yourself (DIY). Apply electronic theory through hands-on labs. Assemble, solder, and test circuits. Use hand and power tools. Make projects from plastic, wood and metal. Measure resistance and voltage values with a digital multimeter. Breadboard a circuit. Students may build two projects. Examples are the tree, maze game, and nerd tester. Design and construct an enclosure. Code in C with Arduino. Breadboard your circuit to simulate a traffic light, send Morse Code, or play music. Install your program on a microcontroller. Printed circuit board and schematic design is introduced. Enter Lego Mindstorms robotics competitions, the Beaver Computing Challenge 2019 or the Canadian Computing Competition 2020. Project descriptions at www.swcelectronics.com.

ELECTRONICS 11 Course Code: MTELE11

Investigate electronics in greater depth. Use basic parts and materials (not kits). Produce your printed circuit board (PCB) design with professional computer assisted design software. Manufacture the pcb using a laser-thermal process and etcher. Drill, populate and solder. With a digital multimeter and an oscilloscope test and calibrate. Choose your project from among the robotic arm, crystal radio, birdsong amplifier, vacuum tube headphone amplifier, minty boost portable power pack for your personal devices, MP3 amplifier, Insectronic walking robot, Churbie mousebot, robotic snake, hexatron, Gnat walking robot, intruder alert, TV-B-Gone, high-voltage strobe light, and 12-volt variable power supply with 7-segment display. Work with infrared, resistive, and ultrasonic sensors. Code in C with hands-on labs using the Arduino integrated development environment. Compile and install your programs on a microcontroller. Control the speed and direction of a servo. Enter coding competitions, earn an amateur radio license, or build a science fair device. Details at www.swcelectronics.com.

ELECTRONICS 12 Course Code: MTELE12

No prerequisite – Electronics 11 preferred

Advance your knowledge of electronics. Enhance a jacket or hat with programmable multicoloured light emitting diodes. Race your solar roller. Modify a shoe or runner to visually guide a friend to their destination with the global positioning system. Investigate the flip-flop sequencer, seven-segment decoder and driver, and logic analysis in hands-on labs. Study operational amplifiers Practice troubleshooting skills. Change the inputs and other circuit characteristics on SPICE simulation software and instantly observe the result. Build the pulsating heart, wheel of fortune, and combination lock. Design, etch and solder a printed circuit board. Build an MP3 amplifier or emergency power minty boost for your electronic devices. Construct a robotic arm from scratch. Make a mini-sumo robot. Compete against other mini-sumos in a dohyo. Build a programmable, wheeled explorer robot with infrared sensors. Write, compile, debug, and install programs in C with the popular Arduino IDE. Alternatively, install existing code on an Atmega microprocessor. Use this

computer-on-a-chip to control your project. Attach a bluetooth receiver to a robot and direct it with your cellphone. Project descriptions at www.swcelectronics.com.

ROBOTICS 12 Course Code: MTROB12

No prerequisite – Electronics 11 or 12 preferred

Make a robot that talks, crawls, hops, slithers, slides, walks, or swims. Construct an insectronic, mousebot, crocobot, serpentronic, hexatron, four wheeler, humanoid or a robotic arm. Build a mini-sumo, robotic submarine, line-follower

or maze runner. Work with ultrasonic and infrared range finders, and edge detector sensors. Learn precision layout techniques. Manufacture wheels and axles on a machine lathe. Cut threads with taps and dies. Use sheet metal tools to make aluminum parts. Enhance the robot's performance by applying power transmission basics: gears, drive train, servomotors, and batteries. Write, compile and install your C language program with Arduino. An Atmega microcontroller, computer-on-a-chip, directs your robot in response to inputs from infrared, ultrasound and tactile sensors. Independently control up to six servos. With a bluetooth interface, interact with your robot through a cellphone.

GRAPHIC ARTS

GRAPHIC ARTS 11 Course Code: MVAGA11

Previous Course: Graphic Arts 10 recommended

This is a course where students will expand their understanding of graphic art processes by furthering creative ability, proficiency, developing the prowess to manipulate strategies, and increasing critical thinking skills.

- For beginners or one's previous knowledge,
- Expanding graphic art processes,
- Continue to learn Adobe Creative Suite applications,
- Develop creative ability, proficiency,
- Increasing critical thinking skills,
- Builds on the prior learning of the individual art skills,
- Include traditional processes & ideas sketch book,
- digital photography, magazine layouts & book cover design.

GRAPHIC ARTS 12 Course Code: MVAGA12

Previous Course: Graphic Arts 11 recommended

This is an advanced design course for senior students. Participants will hone their expertise with the traditional and digital graphic art process.

- Use Adobe Creative Suite applications,
- Research technology creative careers,
- Prepare a dynamic digital portfolio of their work for application to a post-secondary institute.

METALWORK

Metalwork is a series of courses designed to develop hand skills as well as understanding the safe operation of various machines and tools. Students will complete a progression of projects that will deepen their knowledge and confidence in the metal shop. Students who are interesting in a career in Trades are connected with a special VSB career counsellor and have to opportunity to enter into a Post-Secondary program early or with a reserved seat.

<http://go.vsb.bc.ca/schools/careerprograms/Pages/default.aspx>

METALWORK 9 and 10 Course Code: MADM-09SC1 and MTMET10

A foundation course introducing you to world of metal working through machines and hand tools. You will learn how to safely and correctly use all the machines and tools through a variety of “skill building” project:

- The Surfer
- 3D Wire Spot Welded Sculpture
- Lathed Cup
- Plasma Cutter and MIG Welded Bell

These projects are open to each student's individual artistic expression. You will learn how to use the metal lathe, milling machine, drill press, buffers and will also learn Oxygen/Acetylene brazing, MIG Welding and how to use the Plasma Cutter. All skills gained here will be the basis for the next level of metal.

METALWORK 11 Course Code: MTMET11

Previous Course: METALWORK 9/10 would be helpful

This course is for students who wish to advance their metal working skills. The projects in this course are chosen to be challenging and require students to read plans and think creatively. You will combine various machining skills previously learned and specially chosen projects, to build their projects, and to modify designs to meet your person artistic style.

- MIG welding is introduced
- The Brass and Aluminum Cannon
- Steel Box
- Independent project.

In this course, you can explore medieval armoury with various shield designs, helmets, gauntlets and more. If desired, you can also explore artistic forms of metal sculpting and combining various aspects of metal working. We will also start to look at Post Secondary and The School Boards Trades Career Programs.

The students then can choose their next project. It can be either large scaled projects such as furniture, chairs, shelves, sculpture or several smaller projects. Student will expand their metal working skills to further their education or just for use as a hobby. TIG welding is introduced.

METALWORK 12 Course Code: MTMET12

Previous Course: Metalwork 11

In this section of Metalwork 12, students will focus their program to deepen their metal working knowledge and take their machining skills to the next level. There is only 1 required project, the Tin Box. Once completed Students can then choose from a number of projects focusing on deepening their Machining Skills. Projects focus on Lathe and Milling skills and advanced operations. Students will also be able to incorporate Fabrication aspects into this course as well. Students will be shown various career options at BCIT, VCC and introduced to a VSB employee who can help them make the transition.

JEWELRY

Do you want to be a surgeon or a dentist? Did you know that the skills of metalsmithing are very similar to the techniques used in these professions? Making this the perfect training ground for those highly competitive careers. Learn the art of working with small tools and materials. Start building confidence in your hand to eye dexterity right now and the transferability of these skills will put you miles ahead of the competition later.

JEWELRY 9 (METALWORK) & JEWELRY ART & DESIGN 10 Course Code: MADM-09-JL, YIA--0A

Jewellery/Art metal is a yearlong course that combines both artistic and technical knowledge. Students will be able to individualize each assignment to create original wearable jewellery art pieces. Activities/projects/topics may include a variety of jewellery making techniques including:

- Introduction to hand tools for wire working techniques
- Wire wrapping with polished stone/beads/bracelets, necklaces
- Chain making, chain mail
- Introduction to tools for cutting and fabrication of metal items
- Silversmith techniques for making rings, pendants, earrings, bracelets
- Annealing and soldering
- Various texture making techniques and rolling mill
- Traditional peyote stitch

Supplementary fees may apply for the extra/extraneous material: silver is not included.

Open to grade 9 and 10 students.

JEWELRY 11 Course Code: YIA--1A

Jewelry 11 is a yearlong project-based course that combines both artistic and technical knowledge. Students will be able to individualize each assignment to create original art pieces. Activities/projects/topics may be introductory or built on previous learning, continuing the use of jewelry making tools and techniques. These topics may include a variety of jewellery making techniques including:

- Introduction to tools for cutting and fabrication of plate metal items
- Silversmith of rings, pendants, earrings, bracelets
- Annealing and soldering
- Various texture making techniques and Rolling Mill
- Bezel Stone Setting

PHOTOGRAPHY

VISUAL ARTS: PHOTOGRAPHY 10 Course Code: MVAPH10

Photography is a unique art form that captures images in a variety of contexts.

- Photography reflects the inner connectedness of the individual, community, history and society.
- Growth as a photographer is dependent on perseverance, resilience, and reflection
- Artistic expression is an artist's physical and cognitive articulation of our humanity
- Teacher directed assignments

PHOTOGRAPHY 11 (DIGITAL & TRADITIONAL) Course Code: MVAPH11

Photography is a unique art form that captures images in a variety of contexts.

- Photography reflects the inner connectedness of the individual, community, history and society.
- Growth as a photographer is dependent on perseverance, resilience, and reflection
- Artistic expression is an artist's physical and cognitive articulation of our humanity
- Single Len Reflex Camera is introduced

DIGITAL PHOTOGRAPHY 12 (DIGITAL & TRADITIONAL) Course Code: MVAPH12

Photography is a unique art form that captures images in a variety of contexts.

- Photography reflects the inner connectedness of the individual, community, history and society.
- Growth as a photographer is dependent on perseverance, resilience, and reflection
- Artistic expression is an artist's physical and cognitive articulation of our humanity
- Understanding the manual features on Single Len Reflex Camera continues
- Develop Student Centered assignments
- Edit with Adobe Lightroom and Photoshop

It is helpful if students have their own Single Reflex (non-automatic) Camera. Students may borrow the department's camera equipment on "first come first serve" agreement. However, students assume 100% responsibility to the replacement or repair of any lost, damaged or stolen property. Therefore, all students must have their parent/guardian sign and return the letter of responsibility before any loan.

WOODWORK

ADST - WOODWORK 9 Course Code: MADW-09

This is an introductory course where you can develop hand and machine skills in Woodworking. This course will place an emphasis on fun, safety and quality. Woodwork offers opportunities to learn lifelong skills while making several interesting and worthwhile projects.

- Introduction to hand and machine tools
- Introduction to sketching and drawings with dimensions
- Layout of project materials
- Finish sanding techniques
- Assembly of multi-part projects
- Choosing and applying a finish coating
- Custom design for self or others
- Artistic branding

ADST - WOODWORK 10 Course Code: MWWK-10

Previous Course: Woodwork 9

In this class, students are introduced to the finer points of hand tool and machine tool processes. Safety will be a strong focus. Students will be expected to Design and Build their own small projects provided they fit within the objectives and constraints of the course. Woodwork 10 offers an opportunity to develop valuable skills that will last a lifetime and provide a solid foundation for further studies in ADST.

- Further learning with hand and machine tools
- Sketching and drawings with dimensions
- Layout of project materials
- Finish sanding techniques
- Assembly of multi-part projects
- Choosing and applying a finish coating
- Custom design for self or others
- Artistic branding

CARPENTRY AND JOINERY 11 Course Code: MCJ--11

Woodwork 10 highly recommended!

A further exploration into design and crafting of woodwork projects, building on the skills and methods used in Woodwork 10. The focus will be on designing for self or others, finding solutions to design problems and meeting the design needs of others and self. Exploration of different finishing types. Students will be expected to make a project of their own choosing. Careers in Woodworking and Carpentry will be explored as well as connections to Post-Secondary Institutions and VSB programs in this field.

- Advanced Teacher Led Project
- Introduction to Choosing a project
- Advanced Finishings and Fasteners

- Assembly of multi-part projects
- Choosing and applying a finish coating
- Lathe Turning

CARPENTRY AND JOINERY 12 Course Code: MCJ--12

Previous Course: Woodwork 10 and/or Carpentry and Joinery 11

A senior course for the motivated student. This course will build on fundamental skills learned in previous woodwork courses. Projects will be designed by the student with the teacher's approval. Students in this course should have taken interest in the finer points of woodworking. A student can focus on a certain aspect of Carpentry and Joinery and with teacher approval, delve deeply into a related area of interest. Careers in Woodworking and Carpentry will be explored as well as connections to Post-Secondary Institutions and VSB programs in this field.

- Student Chosen and Designed Project
- Sketching and drawings with dimensions
- Material Layout
- Tool sharpening
- Wood Species Identification
- Expanded Machine and Tool Use

BUSINESS EDUCATION

Department Head: Ms. Kathy Nicholson

To meet the needs of every student, the Business Education Program is designed for continuous progress through exploration and use of the community and its resources. Students leave school with the skills necessary for future success in their personal and professional lives.

In the past, the Business Education Program has emphasized employment skills. Now, the focus is on career awareness, technology, and new options open in present and future employment. These include special training in selected career areas like entrepreneurship, marketing and accounting.

This Department's program provides:

1. Personal life skills, employment skills and post-secondary preparation.
2. Practical application of concepts and processes learned in other disciplines.
3. Application of current business technologies and opportunities to explore related careers.
4. Interaction between the school and the workplace.
5. An awareness of the effect of technological, economic and cultural changes on our values, social structure and employment opportunities.
6. An awareness of individual responsibilities as citizens of a global economy.

ENTREPRENEURSHIP & MARKETING 9 Course Code: MADMEM09

Previous Course: None, Open to Grade 9 students

Entrepreneurship & Marketing 9 is an introductory course to understanding how the business world operates and to learn about the importance of businesses in the Canadian economy. Topics covered include: the fundamentals of business (economic basics, types of businesses, and ethics and social responsibility), the functions of a business (production, human resources, management, marketing, and accounting), stock investment strategies, entrepreneurship, and an awareness of First People's culture. Throughout the course, there will be many opportunities for students to practice multiple facets of the core competencies related to communication, critical thinking, and creative thinking.

ENTREPRENEURSHIP & MARKETING 10 Course Code: MADEM10

Open to Grade 9/10 students

Entrepreneurship & Marketing 10 provides students an opportunity to formulate, test, and execute real business ideas and evaluate their impact on society. If you have the qualities associated with an entrepreneur and want to make a difference to the community, then this course is for you. In addition to developing your business idea, you will learn about successful entrepreneurs, construct a solid business plan, and develop an awareness of First People's culture. Throughout the course, there will be many opportunities for students to practice multiple facets of the core competencies related to communication, critical thinking, and creative thinking.

ACCOUNTING 11 Course Code: MAC--11

Open to Grades 11/12 and Grade 10's planning to enrol in the Accounting Work Experience Program in Grade 11

Accounting 11 is an introductory course centered on the fundamentals of accounting, providing students with an in-depth look into journals, ledgers, trial balances, worksheets, income statements, balance sheets and awareness of First People's culture. *Accounting 11* students will gain valuable business skills and obtain vital computer experience by working with Excel and Simply Accounting Software. Students will also participate in a number of activities, including virtual stock market simulations and Monopoly with accounting applications. *Accounting 11* is an essential course for learning the fundamental skills needed for any post-secondary business program.

MARKETING AND PROMOTION 11 Course Code: MMAP-11

Open to Grades 11/12 and Grade 10's planning to enrol in the Marketing Work Experience Program in Grade 11

This is an introductory, project driven course centered on the fundamentals of marketing. The many topics covered by this course include the 4Ps, target markets, product life cycles, the role of advertising, ad design, the AIDA model, awareness of First People's culture, marketing strategies, and international marketing. Marketing 11 students will be able to develop important business skills by participating in virtual stock market simulations, conducting practical market research, and presenting a user-centered marketing proposal to the class. Additionally, students will be provided with the unique and invaluable opportunity to work and run the school store, gaining hands-on experience in a professional retail environment. This ultimately leads to the development of desirable personal attributes and skills applicable to any career.

ECONOMICS 12 Course Code: MEC--12

Open to Grade 12 students

If you are planning to study Economics or Commerce in college or university, then this is the course for you! If you see yourself as a future businessperson, the study of economics can offer some general insights that will be helpful. In this course, students will examine how a modern mixed economy operates and what things are important within one. The curriculum includes: an analysis of economic activity in society, on a national level, and on a global level; perspectives on government and social policies; and an awareness of First People's culture. In short, the study of economics will help you better understand how the world functions as we connect theory with reality. Throughout the course, there will be many opportunities for students to practice multiple facets of the core competencies related to communication, critical thinking, and creative thinking.

ENTREPRENEURSHIP 12 Course Code: MENT-12

Open to Grade 11/12 students

Entrepreneurship & Marketing 12 provides students an opportunity to formulate, test, and execute real business ideas and evaluate their impact on society. If you have the qualities associated with an entrepreneur and want to make a difference to the community, then this course is for you. In addition to developing your business idea, you will learn about successful entrepreneurs, construct a solid business plan, and develop an awareness of First People's culture. Throughout the course, there will be many opportunities for students to practice multiple facets of the core competencies related to communication, critical thinking, and creative thinking.

FINANCIAL ACCOUNTING 12 Course Code: MFA--12

Previous Course: AC11

Financial Accounting 12 is an application-based course that provides students with an in-depth look into the fundamental accounting principles. In this course, students will learn about inventory control, cash control systems, statement of cash flows, detailed ledger accounts, and awareness of First People's culture. Students will also be able to develop analytical decision-making skills by participating in virtual stock market simulations and Monopoly with journals. *Financial Accounting 12* is extremely beneficial to students who seek a post-secondary education in courses such as finance and business management, as this course gives them a unique opportunity to solve problems using Microsoft Excel and Simply Accounting Software.

CAREER EDUCATION

Career Education is a main component of BC's new curriculum. Career Education is implemented in all five grades (Grade 8-12) in off timetable and on timetable formats.

All students are required to have 8 credits of Career Education in order to fulfill graduation requirements.

The two courses that are students are required to take are:

Career Life Education

Career Life Connections (which includes a Capstone project)

Career Life Education (4 Credits)/Career Life Connections Part A (2 credits) Course Code: MCLE-10/MCLCA12

Career-life choices are made in a recurring cycle of planning, reflecting, adapting, and deciding.

Career-life decisions are influenced by internal and external factors, including local and global trends.

Engaging in networks and reciprocal relationships can guide and broaden career-life awareness and options. A sense of purpose and career-life balance support well-being.

Lifelong learning and active citizenship foster career life opportunities for people and communities.

Career Life Connections Capstone Project (2 credits) Course Code: MCLCB12

A capstone project, also known as a culminating project or experience, or senior exhibition, among other terms, is a project that allows students to demonstrate their learning using an area(s) of interest as the basis for the project. Ideally, this would be in an area that they are passionate about and anticipate they will be pursuing after graduation. In Career Life Connections, students will design, assemble, and present a capstone project to an audience to demonstrate personal learning and achievement (in and out-of-school), growth in the core competencies, and a reflection on the post-graduation plan.

Capstone projects include components such as the following:

Proposal	The proposal outlines the project and includes disciplinary and core competency connections, timelines, and product.
Mentor	The mentor is ideally a shared role that includes teachers and/or community members that provide guidance throughout the culminating project.
Research	The research is an essential component that informs each student's culminating project.
Product	The product is the end result of the project (eg, video, document, performance, something constructed).
Information	The presentation can have a variety of forms and happens with an audience composed of teachers, community members and/or others connected to the student and/or their culminating project.

Career Education at Churchill Secondary

Grade 8	Career Education 8 (4 credits) – Off-timetable. Course attached to grade counsellor. Concepts and material covered through independent work on MyBlueprint, assemblies, classroom visits, flex time.
Grade 9	Career Education 9 (4 credits) – Off-timetable. Course attached to grade counsellor. Concepts and material covered through independent work on MyBlueprint, assemblies, classroom visits, flex time.
Grade 10	Independent, off-timetable work on career education, which will be stored in MyBlueprint for use in the Grade 11 CLE course. Concepts and material covered through independent work on MyBlueprint, assemblies, classroom visits, flex time.
Grade 11	Career-Life Education (4 credits)/Career-Life Connections (2 credits) Super Course – This course will run in the 2020/2021 school year. This is a combination course which will outline the key concepts of Career-Life Education in the first part of the year and then will focus on the key concepts of Career-Life Connections the following year with an emphasis on the Capstone proposal.
Grade 12	CLC Capstone (2 credit) – Students would be scheduled into half-year 2 credit CLC Capstone courses, primarily to complete their Capstone Project. These classes would not necessarily need to meet as whole classes on a regular basis. Teachers could use this time to conference with individual students on their projects. Teachers would be responsible for mentoring and assessing projects and inputting marks, just as in all classes. Ideally, we would find teachers from a variety of disciplines to take these classes (humanities, math/science, fine arts, applied skills, IB, French Immersion)

COMPUTER SCIENCE

Department Head: Ms. Faten Kobbi

COMPUTER SCIENCE 11

An academic course in introductory Computer Science using popular languages (Python, Java). No prerequisite required. Topics that will be covered are: introduction to programming and logical thinking, programming methodology, programming structures, graphics, user interface and algorithms. We will explore the fundamentals of Computer Science by creating computer programs that either entertain or solve analytic problems. By the end of this course, students will be able to create their own software. Many students find this to be a challenging yet interesting and fun course. Students who intend to go into Science, Engineering, Commerce or Mathematics will have a definite advantage by taking this course in high school.

COMPUTER SCIENCE 12

Previous Course: Computer Science 11

This course is an advanced course in Computer Science. Using industry standard languages (Python, Java), students will create their own programs that explore more advanced topics in Computer Science such as: data structures, algorithms, object-oriented programming that make use of inheritance and class structures. Some assignments will also include higher level Math and other advanced algorithms. Students' individual skills and imagination will be utilized in a major development project at the end of the course. This course is designed to give students who will be taking programming at University a head start.

ENGLISH

Department Head: Mr. Corey Sale

English (Language Arts) is required in Grades 8 through 12 for high school graduation. The work in each year's English course builds upon the concepts that have been acquired in previous years. Emphasis is placed on a student's ability to communicate effectively in speaking and in writing.

The Provincial Core Competencies that facilitate development of English Language Arts are:

Communication -The communication competency encompasses the set of abilities that students use to impart and exchange information, experiences and ideas, to explore the world around them, and to understand and effectively engage in the use of digital media.

Thinking - The thinking competency encompasses the knowledge, skills and processes we associate with intellectual development. It is through their competency as thinkers that students take subject-specific concepts and content and transform them into a new understanding. Thinking competence includes specific thinking skills as well as habits of mind, and metacognitive awareness.

Personal and Social - Personal and social competency is the set of abilities that relate to students' identity in the world, both as individuals and as members of their community and society. Personal and social competency encompasses the abilities students need to thrive as individuals, to understand and care about themselves and others, and to find and achieve their purposes in the world.

ENGLISH 8 Course Code: MEN--08

In English 8, students will focus on developing the basic fundamentals of oral and written composition. They will begin a formal study of literature. Short stories, plays, poetry, comics, and novels are read, and cultural legends may be explored. In English 8, students are introduced to Shakespeare with the study of *A Midsummer Night's Dream*.

ENGLISH 9 Course Code: MEN--09

This course continues the formal study of literature in prose fiction, non-fiction, comics, poetry, and plays, including Shakespeare's *Romeo and Juliet*. A focus on writing, with an intensive approach to composition, provides students with an abundance of writing experience and teaches them the essential skills of revising, editing and reflection. Students will develop confidence in their written expression. Grammar and usage are taught in the context of student writing.

In grade 10, students are expected to choose course combinations according to their interests. These combinations are made up of **two two-credit courses** needed to fulfil provincial graduation requirements. Each combination will focus on developing a student's reading, writing, speaking, listening, viewing, and representing skills.

Each combination will include **Composition 10** and a choice of **one** additional focus listed below:

Literary Studies 10 (Fictional Studies)
Literary Studies 10 (Graphic Novels)
Spoken Language 10

COMPOSITION 10 (2 credits) Course Code: MCMPS10

Composition 10 is designed for students who have an interest in developing their skills in written communication in a variety of contexts. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. They will develop their craft through processes of drafting, reflecting, and revising to build a body of work that demonstrates breadth, depth, and evidence of writing for a range of situations.

Composition 10 will consist of the following:

- planning, drafting, and editing processes,
- writing for specific audiences and specific disciplines, and
- citing sources, considering the credibility of evidence, and evaluating the quality and reliability of the source.

Writing will fall under (but is not limited to) three main types:

- narrative, descriptive, and persuasive

SPOKEN LANGUAGE 10 (2 credits) Course Code: MSPLG10

Spoken Language 10 provides opportunities for students individually and collaboratively to study, create, and use language to produce original pieces in a variety of modes. The course will provide students with opportunities for performance and/or public speaking.

The following are possible areas of focus in Spoken Language 10:

- Performance -- suggested content/topics include spoken word/slam poetry, poetry recitation, oral storytelling, readers' theatre, debate.
- Oral tradition -- suggested content/topics include oratory, local story knowledge, oral history.
- Professional applications -- suggested content/topics include speech writing/presenting, proposals, interviewing, event facilitation.

LITERARY STUDIES 10 (2 credits)

Literary Studies is a category of courses designed for students who are interested in the literature of a particular form, genre or medium. This range of literary content will allow them to:

- increase their literacy skills through close reading of appropriately challenging texts,
- enhance their development of the English Language Arts curricular competencies,
- expand their development as educated global citizens,
- develop balance and broaden their understanding of themselves and the world, and
- develop higher-level thinking and learning skills

The following will be offered as Literary Studies 10 options in 2020/2021:

- Fictional Studies 10 Course Code: MLTST10SC4
- Graphic Novels 10 Course Code: MLTST10SC3

INTRODUCTORY DEBATE and PUBLIC SPEAKING 10 (4 credits) Course Code: YCPA-0C

~Elective~

Debate/Public Speaking is a course designed to develop students' public speaking skills, argumentative skills, research skills and general communication skills. It will involve various vocal and speaking exercises designed to develop the students' ability to communicate effectively in front of a group. The course will develop the students' research abilities by requiring in-depth analysis of a topic. The student will develop research skills required to investigate any given issue.

In grade 11, students are expected to choose one four-credit course to fulfil provincial graduation requirements. Additional courses may be taken as electives.

CREATIVE WRITING 11 (4 credits) Course Code: MCTWR11

Creative Writing 11 is designed for students who wish to refine their writing skills through self-expression for various creative purposes. This course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Students will collaborate and strengthen their skills through writing and design processes. Possible areas of focus include short fiction, poetry, creative non-fiction, and memoir.

NEW MEDIA 11 (4 credits)

New Media 11 is designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world. Possible areas of focus include media and film studies, journalism and publishing, and digital communication including podcasting.

Offered as a New Media 11 option in 2020/2021: Audio Storytelling 11 Course Code: MNMD-11

LITERARY STUDIES 11 (4 credits)

Literary Studies is a category of courses designed for students who are interested in the literature of a particular form, genre, medium, or topic. The goals of the course are similar to Literary Studies 10, with the depth of study increasing with the maturity of the reader.

Offered as a Lit Studies 11 option in 2020/2021: Psychology of the Self Course Code: MLTST11SC2

ENGLISH STUDIES 12 (4 credits) Course Code: MENST12

The required English Studies 12 course builds on and extends students' previous learning experiences in ELA 10 and 11 courses. It is designed for all students and provides them with opportunities to:

- refine their ability to communicate effectively in a variety of contexts and to achieve their personal and career goals.
- think critically and creatively about the uses of language
- explore texts from a variety of sources, in multiple modes, and that reflect diverse worldviews
- deepen their understanding of themselves and others in a changing world.
- gain insight into the diverse factors that shape identity
- appreciate the importance of self-representation through text
- contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples
- expand their understanding of what it means to be educated Canadian and global citizens

LITERARY STUDIES 12 – ENGLISH LITERATURE (4 credits) Course Code: MLTST12

~Elective~

The primary goal of Literature 12 is to foster a critical appreciation of the richness and variety of literature written in English through the ages, in its social and historical contexts. This course is designed for any student who likes to read, discuss, and write about literature, but it is particularly valuable to students who are planning to study sciences or humanities at university.

ENGLISH LANGUAGE LEARNERS

Department Head: Ms. Janice Lam

ELL students are individually assessed upon arrival at the Newcomer Welcome Centre to best determine their course and level placement. Churchill's ELL program is divided into language ability levels. Churchill also offers a Transitional program to assist students who are almost ready for the regular program, and an Academic Strategies course to assist students newly enrolled in regular English courses.

The ELL program consists of adapted courses in English, Social Studies and Science at three different levels for both junior and senior students. Math, P.E. and electives are regular courses. Language courses such as French, Spanish and Japanese are usually delayed until students have left the ELL program.

ELL Levels 1-3 students study English, Social Studies, and Science, with a variety of ELL teachers. Teachers use a language-in-content approach where the skills of reading, writing, listening and speaking are taught/developed while supporting the students' learning in the different subject areas. ELL teachers use a variety of resources, writing and communication activities to assist students acquire English language skills.

ELL CLE is offered to senior ELL students enrolled in ELL 2 and 3 in Grades 10, 11 and 12.

Students are integrated into Transitional English, Transitional Social Studies, and Transitional Science and regular Science courses as soon as they are ready to manage the linguistic demands of the curriculum. Assessment is ongoing, and promotion into Transitional or age/grade appropriate courses is determined by the criteria from the BC Ministry ELL Standards.

THE TRANSITIONAL PROGRAM

The Transitional Program at Churchill is a bridge between the ELL program and the regular English and Socials courses. Transitional classes combine the intensive study of English and Socials with regular curriculum content. Credit for English and Social Studies is granted upon successful completion of transitional classes. Each Transitional English class consists of two blocks rather than the single block of regular English. Students receive regular English (8, 9 or 10) credit as well as an additional credit for the English support class. All transitional courses follow the BC Ministry curricula which allow for an easier transition into the regular program.

ACADEMIC STRATEGIES FOR ELL LEARNERS

Academic Strategies for ELL Learners is a credited, full-year support class for students who have moved out of the Transitional Program and into regular English and Social Studies courses, and still require assistance in reading comprehension, vocabulary expansion and composition writing. The teacher designs programs to best support each student in this advanced English language support class.

FINE ARTS

Department Head: Mr. Alan Pronger

PERFORMING ARTS - MUSIC

Band, Choir, Guitar & Strings

The Music Department provides students with leadership and musicianship development in instrumental and vocal areas of study. Our ensembles have a proud performance history in our school, our community, and on tour. All music courses develop students' confidence and performance abilities. We share our music in concerts, festivals, and school events from November to June. Performances are a required aspect of music classes and are considered an integral part of evaluation. Additionally, the elected student Music Council organizes department events and productions, building students' collaborative administration skills and our music community.

FINE ARTS 8 ROTATIONS: Music, Drama, Art Course Codes: MMU--08/MDR--08/MVA--08

Fine Arts 8 gives students an exploration of the vibrant and extensive arts programs at Churchill. It is a full year course in which students' study two terms of Performing Arts and one term of Visual Art. Music develops guitar skills, Drama introduces media and theatre, and Art studies drawing and painting.

INSTRUMENTAL MUSIC 8,9,10,11,12 Beginner Band

Music 8: Beginner Band Course Code: MMU--08BA1

Music 9: Beginner Band Course Code: MMU--09BA1

Instrumental Music: Concert Band 10 (Beginner) Course Code: MMUCB10--1

Instrumental Music 11: Concert Band (Beginner) Course Code: MIMCB11--1

Instrumental Music 12: Concert Band (Beginner) Course Code: MIMCB12--1

If you have ever wanted to learn to play a band instrument, this course is for you! No experience is needed for this introductory band course. Basics of playing and musicianship will be covered. Students do not need any previous musical experience in order to join this class. Students will be involved in choosing which instrument they will play through the year. These instruments include: Flute, French Horn, Trumpet, Trombone, Clarinet, Baritone, Bass

Clarinet, Tuba, Alto Saxophone, Tenor Saxophone and Percussion. This course should lead to either Junior Band or Intermediate Band, depending on ability at the end of Beginner Band.

INSTRUMENTAL MUSIC 8, 9 Junior Band

Previous Course: Elementary School Band or Beginner Band

Music 8: Junior Band Course Code: MMU--08BA2

Music 9: Junior Band Course Code: MMU--09BA2

If you have previously taken band, but need a little more reinforcement before Intermediate band, then this course is for you. This course will build on the foundational musical skill developed in elementary school or Beginner Band. You need to be able to read music on your given instrument at the beginning of this class. Students will most likely continue to play the instrument they played previously, although there is a possibility of switching. This is not an introductory band course. This course should lead to either Intermediate Band or Senior Band, depending on ability at the end of the year.

INSTRUMENTAL MUSIC 9,10,11,12 Intermediate Band

Previous Course: Beginner Band or Junior Band

Music 9: Intermediate Band Course Code: MMU--09BA3

Instrumental Music: Concert Band 10 (Intermediate) Course Code: MMUCB10--3

Instrumental Music 11: Concert Band (Intermediate) Course Code: MIMCB11--3

Instrumental Music 12: Concert Band (Intermediate) Course Code: MIMCB12--3

If you have taken band at high school previously, and you want to advance your ability further before moving onto Senior Band, this course is for you. This course will continue to extend your technical ability on your instrument, and expand on your musical knowledge. This course should lead you into Symphonic Winds (on timetable) or Wind Ensemble (off timetable). Don't let this be the end of your musical adventure!

INSTRUMENTAL MUSIC 9,10,11,12 Senior Concert Band

Previous Course: Beg/Jr & Intermediate

Music 9: Senior Band Course Code: MMU--09BA4

Instrumental Music: Concert Band 10 (Senior) Course Code: MMUCB10--4

Instrumental Music 11: Concert Band (Senior) Course Code: MIMCB11--4

Instrumental Music 12: Concert Band (Senior) Course Code: MIMCB12--4

Do you want to continue your Musical/Band adventure? Great! This class meets on the timetable, and a wide variety of music will be learned, with a continued emphasis on musical development. The symphonic band will play more music concerts and may be involved in a tour in the spring. This group combines with the Wind Ensemble for concerts.

CONTEMPORARY MUSIC 10,11,12 Senior Jazz Band (Off Timetable: M/W lunch, Th 3:15-4:30)

Previous Course: Must be concurrently enrolled in a LARGE ENSEMBLE (Strings, Band, Choir)

Instrumental Music: Jazz Band 10 Course Code: MMUJB10

Instrumental Music 11: Jazz Band Course Code: MIMJB11

Instrumental Music 12: Jazz Band Course Code: MIMJB12

Students interested in playing jazz should sign up for the Jazz Band AND a large ensemble. The senior jazz band will be the busiest ensemble at the school playing at concerts, as well as special events like the Bulldog Classic, and other events around the school and district. A variety of music will be worked on, with a continued emphasis on musical skill development.

CHORAL MUSIC 8, 9, 10, 11, 12 Beginner Choir

Music 8: Choir Course Code: MMU--08CC1

Music 9: Choir Course Code: MMU--09CC1

Choral Music: Concert Choir 10 (Intermediate) Course Code: MMUCC10

Choral Music 11: Concert Choir Course Code: MCMCC11

Choral Music 12: Concert Choir Course Code: MCMCC12

Do you love to sing? In Junior Choir you will build your voice, your confidence, and develop your performing ability through group concerts, song projects, and musical theatre small ensembles. Growing your vocal skills includes learning healthy tone production, ear training, and part singing in all styles of song. You will gain strategies for music reading and experience in singing for the school and community.

CHORAL MUSIC 10, 11, 12 Senior Choir (Off Timetable)

2 years of experience

Choral Music: Concert Choir 10 (Senior) Course Code: MMUCC10OF4

Choral Music 11: Concert Choir Senior Off TT Course Code: MCMCC11OF4

Choral Music 12: Concert Choir Senior Off TT Course Code: MCMCC12OF4

Take your singing skills farther with the Senior Choir! If you are ready to express your artistry through singing, this group is for you. You will build professional poise and confidence, refine four-part vocal and music reading skills in all styles, perform duo/solo song projects, and create a musical theatre ensemble. This choir performs for conferences, district festivals, as well as school and local events throughout the year.

INSTRUMENTAL MUSIC 8,9,10,11,12 Beginner Strings

Music 8: Strings Beginner Course Code: MMU--08ST1

Music 9: Strings Beginner Course Code: MMU--09ST1

Instrumental Music: Orchestra 10 Beginner Course Code: MMUOR10--1

Instrumental Music: Orchestra 11 Beginner Course Code: MMUOR11--1

Instrumental Music: Orchestra 12 Beginner Course Code: MMUOR12--1

Open to students in grade 8-11. No previous experience is needed for this introductory orchestra course. Basics of playing and musicianship will be covered. Students will choose one of the following instruments (rented or purchased at their own cost): violin, viola, cello, or bass.

INSTRUMENTAL MUSIC 8,9,10,11, 12 Junior Strings

Min. 1 to 2 years' experience

Music 8 Strings Junior Course Code: MMU--08ST2

Music 9 Strings Junior Course Code: MMU--09ST2

This is a performance-based course for students with previous elementary school or private lesson experience on a string instrument. Students will have to buy or rent their own instrument. Students who have played before but have stopped playing for one or two years may register but they must be able to read music, have reasonable proficiency on their string instrument of choice, and maintain a regular practice schedule. Concerts and other performance activities are a mandatory component of this course. Private lessons are highly recommended.

INSTRUMENTAL MUSIC 8,9,10,11,12 Intermediate Strings

Music 8 Strings Intermediate Course Code: MMU--08ST3

Music 9 Strings Intermediate Course Code: MMU--09ST3

Instrumental Music: Orchestra 10 Intermediate Course Code: MMUOR10--3

Instrumental Music: Orchestra 11 Intermediate Course Code: MMUOR11--3

Instrumental Music: Orchestra 12 Intermediate Course Code: MMUOR12--3

Min 2-3 years at the elementary school level or private lesson experience.

This course is designed to prepare students for participation in the Senior Strings course. Students must be able and willing to work at their own pace for long periods of time. Technical musical studies in groups or individual are an important part of the course. Group work will increase as students progress. Home practice of 30 minutes a day is expected. Students are also expected to supply their own instrument.

INSTRUMENTAL MUSIC 9,10,11,12 Senior Strings

Music 9 Strings Senior Course Code: MMU--09ST4

Instrumental Music: Orchestra 10 Senior Course Code: MMUOR10--4

Instrumental Music: Orchestra 11 Senior Course Code: MMUOR11--4

Instrumental Music: Orchestra 12 Senior Course Code: MMUOR12--4

Audition or by recommendation of the Strings Teacher. Completion of "Intermediate Strings" is highly suggested.

The major focus of this course is in-depth work and performance of selected compositions. An integral part of this course is public concerts in the school and community. Practicing for these will take a large part of the course. These students will also work in small groups. Evaluation is based on self-evaluation of effort and progress, skill improvement, participation in concerts, and extra-curricular efforts. Cost: Students will be responsible for the care and repair of instruments whether owned by the student or loaned by the school.

INSTRUMENTAL MUSIC 9, 10, 11, 12 Beginner Guitar

Music 9: Guitar Beginner Course Code: MMU--09GR1

Instrumental Music: Guitar 10 Beginner Course Code: MMUGT10--1

Instrumental Music: Guitar 11 Beginner Course Code: MIMG-11-1

Instrumental Music: Guitar 12 Beginner Course Code: MIMG-12-1

No previous experience is required for this course. Guitar techniques covered will include finger picking, strumming, and first position and barre chord forms. You will develop music literacy in treble clef and tablature notation. You will learn to play blues, rock, classical, and pop styles of song, and explore basic improvisation and composition. This course will build your skills and confidence in performance through duo and solo song projects.

INSTRUMENTAL MUSIC 9, 10, 11, 12 Intermediate Guitar

Music 9: Guitar Intermediate Course Code: MMU--09GR2

Instrumental Music: Guitar 10 Intermediate Course Code: MMUGT10

Instrumental Music: Guitar 11 Intermediate Course Code: MIMG-11

Instrumental Music: Guitar 12 Intermediate Course Code: MIMG-12

Previous Course: Beginning Guitar 10 or 1 year of guitar experience

If you have more than a year of playing experience, Intermediate Guitar is for you. You will learn advanced first position chords, bar chords in A, E, V7, and Maj7 forms, extend fingerstyle & flatpick techniques and further develop tablature & notation reading. This course will build your confidence and experience in improvisation, composition, and performance in solo and small ensemble projects, school events, and at Music Department concerts. A variety of styles from rock, blues, folk, to classical are covered.

INSTRUMENTAL MUSIC 9, 10, 11, 12 Senior Guitar

Music 9: Guitar Senior Course Code: MMU--09GR3

Instrumental Music: Guitar 10 Course Code: MMUGT10--3

Instrumental Music: Guitar 11 Senior Course Code: MIMG-11-3

Instrumental Music: Guitar 12 Senior Course Code: MIMG-12-3

Previous Course: Intermediate Guitar or 2-3 years of experience

In this course students will study musical notations in 1st, 5th, and 7th position, tablature notation, advanced finger picking, barre chords in A, E, C, and D forms, and altered tunings. A wide variety of repertoire will be covered with an emphasis on solo & ensemble playing, composition and improvisation.

PERFORMING ARTS – THEATRE

Drama has something for everyone, whether it is a student who plans on becoming an actor or a student who wants to acquire the confidence and poise required when presenting ideas in the business world. Churchill's Drama department has as its aim the broadening of student's awareness of literature and the dramatic tradition. We want students to develop visual literacy and understanding of media as well. There will be a broad range of course work that cover technical skills as well as acting in drama from stage to modern film and media production.

The initial years are in developmental Drama. Confidence and communication are the main themes. At the senior level, more attention is given to the requirement of performance including practical production and audition skills. All levels of the drama program emphasize: teamwork, generosity in sharing ideas, focus and the audience response, basic mime skills, clarity of voice, imaginative development of storytelling ideas, sensitivity and clarity in scenes. Some of the following courses are production oriented with outcomes on display in the Theatre Churchill productions. All are designed to help the student appreciate the wide variety and many styles of dramatic art.

DRAMA 9 Course Code: MDR--09

The aims of this course are to develop imaginative abilities, a good speaking voice, control of the physical self, and the use and control of emotions. The focus is on the development of improvisational skills and the understanding of theatre stories. The elements of story telling, setting the problem, raising the stakes and resolution are explored as they relate to improvisation and scene building and play structure.

Original screen writing will be studied. Visual language (film and TV) will be compared to the language of the stage. Mime skills will be reviewed. Improvisations, monologues and short scenes will be presented by the students.

DRAMA 10 Course Code: MDRM-10

An extension of Drama 9 and an introduction for new students

Drama 10 further develops the speaking voice, the power and concentration cooperation in-group scenes and the use of the body on the stage in mime and other routines. Film and TV special effects will be examined with an aim to understand both mediums and the effect on the viewer. The students will begin working on the presentation of roles and characterizations through memorized scripted scenes. A special focus will be character work looking at the techniques of character development. Classes will study script analysis, with the aim of the development of character.

DRAMA 11 Course Code: MDRM-11

Acting 11 introduces the students to the role of the actor on stage, extending and developing the understanding of story and the character development skills achieved in Drama 9 and 10. Character development and presentation will be the focus, developed through the use of role-play and the memorized scripted scenes. Technical elements: lighting, stagecraft, make-up and general theatre history will be introduced but all focus on the actor in stage production. Students should develop sufficient confidence over the year in order to participate in auditions for a role or to be involved in the creation of a full-scale production. The emphasis is on acting for the stage and those interested in stage technical skills, film and TV, or directing should look to other courses offered by the department.

DRAMA 12 Course Code: MDRM-12

This course builds on character development and presentation techniques learned in Acting 11. Different acting styles and periods will be studied: History of Greek theatre, Comedia del Arte, Elizabethan theatre and more. Contemporary Canadian, American and British plays will be a focus. Play reports from current drama will be expected. Comedy, stand-up comedy, and comic scenes will be studied. Audition techniques explored. Presentations of monologues and scenes from world drama, classical theatre will be mounted. Film and stage techniques will be compared. (**See also Film and TV Drama 11).

DRAMA: FILM AND TELEVISION 11 Course Code: MDFT-11

This course is highly recommended for those who see a possible future in the Vancouver's growing film and TV industry or those who contemplate doing theatre in University. Designed for those who plan to act or enter the technical side of visual productions, this course offers pre-production, production and post-production skills. Acting techniques appropriate to the technical parameters of the studio are taught. Voice, movement and characterization skills are adjusted. Production stages: editing, sound track and special effects will be studied. The emphasis is on practical production but screenplay format, social, cultural and historical context of TV and film will also be studied.

DRAMA: FILM AND TELEVISION 12 Course Code: MDFT-12

This course extends those skills learned in Drama Film and TV 11 into a production setting and is significant for those who will go on in this field. Exploration and analysis of Film acting skills, film industry organization, film technology and processes will be examined. The students will be expected to produce script treatments which will be translated to film. Team leadership skills in the production environment will be taught. Students will be assisted in portfolio building to expedite admission to university in other programs.

VISUAL ARTS: FILM & TELEVISION 10, 11

Visual Arts 10: Media Arts Film & TV Production Course Code: MVAM-10

Visual Arts: Media Arts 11 Film & TV Production Course Code: MVAMT11

This is an introductory course in film and television. Students will produce their own short film subjects, as well as learn the basics of production work: writing, camerawork, directing, editing and sound. They will be introduced to technical equipment, and begin to study media from the viewpoint of both the creator and the consumer. Students will learn film language, and learn how to analyse their own and others media productions. This course is an excellent introduction for those students who later wish to take IB Film Studies 11/12.

DIRECTING & SCRIPT DEVELOPMENT 12 Course Code: MDRDS12

Admission: Interview with Instructor

This course involves study of story-telling structure in a workshop environment, learning a variety of types of narratives, simple scripts and monologues culminating in the writing of a one-act play. Each student will co-direct an original one-act play. One aim is understanding the co-operative role of writer and director in rehearsal and the central role of the director in interpretation of the script for production for audience.

MUSICAL THEATRE 10-12 Course Code: MMUTH10/MMUTH11/MMUTH12

Musical Theatre is as exciting form of theatre that combines music, songs, spoken dialogue and dance. Students will work with the Drama and Dance teacher to perform in a variety of musical theatre performances throughout the year in this collaborative Performing Arts super course. Popular Musical Theatre pieces will be studied and a variety of performing arts skills will be learned. Students should be prepared to dance, sing and act in front of others, or work backstage to successfully execute a full-scale production.

DANCE

DANCE 9 & DANCE FOUNDATIONS 10 Course Codes: MDNC-09 & MDCF-10

This performing arts course is a review of different styles of dance. Students are given the opportunity to learn a wide variety of dance styles including: hip hop, street jazz, Broadway, tap, contemporary, and cultural dances. Students will learn dances choreographed by the teacher and they will also learn how to create their own dance sequences. They will have opportunities to perform in several shows throughout the year.

DANCE FOUNDATIONS 11, 12 Course Codes: MDCF-11 & MDCF-12

Building on experience from Dance Foundations 9 and 10, students will learn dance sequences at a faster, intermediate pace. Students will learn and perform a wide variety of dance styles, including: hip hop, street jazz, Broadway, tap, contemporary, and cultural dances. Students will learn dances choreographed by the teacher and they will also learn how to create their own dance sequences. They will have opportunities to perform in several shows throughout the year.

DANCE: CHOREOGRAPHY 11 Course Code: MDNC-11

Previous Course: Dance Foundations or Tech and Perf 10 or by audition

Choreography 11 provides students with opportunities to create dance choreography for a variety of informal and formal settings and for a variety of purposes. Students learn to explore, create, refine, and produce dance using the elements of movement to serve artistic intentions. By working through the creative process, students develop an understanding of these elements and how they combine to form the final product, a choreographed piece.

DANCE: CHOREOGRAPHY 12 Course Code: MDNC-12

Previous Course: Dance Tech & Perf 11, Dance Foundations 11 or by audition

Choreography 12 provides students with further opportunities to create dance choreography while drawing on all the learned movement elements and skills. This process requires a nurturing environment that encourages risk taking. Such an environment enables students to become comfortable moving back and forth through the creative process of exploring, selecting, combining, refining and reflecting. Students learn to discuss their own creative processes and those of others as they describe and respond to choreography.

DANCE TECHNIQUE AND PERFORMANCE 10 Course Code: MDNTP10

1 year dance experience

Dance Technique and Performance will focus on developing proper dance technique through the study of Ballet, Jazz and Contemporary Dance (Hip Hop will only be studied if time permits). Students will further gain flexibility, strength, co-ordination and conditioning. Students will learn dances choreographed by the teacher and they will also learn how to create their own dance sequences. They will have opportunities to perform in several shows throughout the year.

DANCE TECHNIQUE AND PERFORMANCE 11, 12 Course Codes: MDNTP11 & MDNTP12 *2 years dance experience*

Similar to Dance Technique and Performance 9-10, but taught at a faster, intermediate pace. Dance Technique and Performance will focus on developing proper dance technique through the study of Ballet, Jazz and Contemporary Dance (Hip Hop will only be studied if time permits). Students will further gain flexibility, strength, co-ordination and conditioning. Students will learn dances choreographed by the teacher and they will also learn how to create their own dance sequences. They will have opportunities to perform in several shows throughout the year.

DANCE COMPANY 10-12 (Off Timetable) Course Code: MDNCM10/MDNCM11/MDNCN12

By Instructor permission or audition

To be part of Dance Company students must also take another Dance Class at Churchill. This is an off timetable course for the Junior and Senior competitive hip hop teams. Class will focus on technique and performance choreography for competitions, community and school shows.

VISUAL ARTS

Do you have wonder, desire to understand, or curiosity? Do you want to increase your ability to concentrate and express yourself? Are you looking for inspiration, ideas, or plans that call out to be thought, painted, printed, drawn, sculpted, and/or, ArtMag'led? Do you love drawing, painting, printmaking, sculpting, or ceramics? Then take one or more Visual Arts courses.

If you want to grow stronger in your art, or if you are just starting out and need skills, practice, or inspiration, you will be given the opportunity to learn many techniques and to try many different materials and mediums, to find your preferred ones, and to explore what each one allows you to accomplish.

Sketchbooks are used in each Art course and become a record of a student's artistic journey. Students will also have an opportunity to display their pieces in many places both in the school and out.

Supplemental Fees may be collected up to the following amounts for: Art 8 \$10; Art 9-10 \$25; Art 11-12 \$30

ART STUDIO 9 Course Code: MVA--09

Visual Arts 9 is a basic course to prepare students for further study in art. Stressed are the principles and elements of design, especially as they apply to drawing, painting, printmaking, sculpting, and ceramics. Creativity and skill development are emphasized and encouraged. Also addressed will be cultural, historical, and contemporary developments in art.

VISUAL ARTS 10: ART STUDIO Course Code: MVA10

Visual Arts 10 builds on the technical, critical and creative skills of Visual Arts 9, and earlier art courses, but may be taken as a first course by students with no background in Visual Arts. Students are encouraged to take more initiative and attempt more ambitious projects. The emphasis is on: drawing and painting, printmaking, sculpture, and ceramics. All general Visual Arts courses try to accommodate and encourage the diverse artistic interests of the students. The sketchbook begun in Visual Arts 9 is continued and is an important part of this course and the student's artistic development.

STUDIO ARTS 3D 10 (SCULPTURE Ceramics) Course Code: MVAC-10

This Ceramics course is designed for those wishing to work primarily with clay. Students will be introduced to the fundamentals of ceramics and focus on the basic hand building techniques, some wheel work, knowledge of clay bodies and its origins, and consider its history and contemporary development. Students will learn about surface colourants and their applications, and kiln basics. Emphasis will be placed on learning the elements and principles of design, especially form and texture as they apply to ceramics, and drawing will be used as means of exploring form and image. Students will receive one half a bag of clay but may need to purchase additional clay. Recycled clay may be used free. A deposit is also collected at the beginning of the year and returned at the end of the year upon the return of the students' clay tools.

STUDIO ARTS 3D 11 and 12 (SCULPTURE 11, 12: Ceramics) Course Codes: MVAC-11 and MVAC-12

Previous Course: None for Ceramics 11. Art Studio 11, Ceramics 11, Photography 11, Graphics 11 for Ceramics 12

This senior Ceramics class is identical to the VAC 9 / 10 course and is intended for Grades 11 and 12. Students will develop skills for manipulating clay with their hands and on the potter's wheel. The kiln, surface colourants and its application, tradition and design in clay will be covered and researched. Those who have taken a full year ceramics course in a previous year will build upon their existing skills and knowledge. It is a self-directed study in which experimentation and personal development in a concentrated area is encouraged. Students will mount an in-school show or display, group or individual project of their work by the end.

STUDIO ARTS 2D 11, 12 (DRAWING AND PAINTING 11, 12) Course Codes: MVAD-11 and MVAD-12

Previous Course for D&P11: None; for D&P 12: Graphics 11

This Drawing and Painting course is designed for those students who wish to specialize in these areas. Students work in a studio format, building on previous courses and developing a personal approach to imagery. They will maintain a verbal/visual sketchbook and a folio of finished works. Assignments in various media will be given. Students will continue to develop critical judgement of art. Gallery visits may form a part of this course. Historical and contemporary aspects of drawing and painting will be considered and researched.

ART STUDIO 11 Course Code: MVASt11

Art Studio 11 is a general course which undertakes to explore some of the following: drawing, painting, printmaking, sculpting, ceramics, textiles, graphics. Within these areas, the elements and principles of design are again emphasized, as well as guided personal imagery. Considerations of the 20th Century and former eras in art, including Canadian influences, are explored to help the student develop an understanding of their own visual context. Library research, field trips to galleries, and arts events may form a part of this course. Students are encouraged to acquire technical and critical skills, but more importantly, to use their imagination and creativity.

ART STUDIO 12 Course Code: MVASt12

Previous Course: Art Studio11, Graphics 11, Photography 11, Ceramics 11, Book Arts and Binding 11 or permission by the Instructor

This course is a review and expansion of Art Foundations 11. This course provides students with the opportunity to further develop their skills and appreciation of art with the option of concentrating their studies in any of the expression areas. It is recommended for those who may pursue a career in art, or further studies in the visual arts at the college or university level or art school.

IB ART 11 and 12 Course Codes: IARS-11, IARH-2A

The IB Art course is a place for students to expand their creative horizons. Certificate students (not enrolled in IB Diploma program) are welcome to take the course if they have a strong passion for Art and an understanding that they are committing to a two-year program. Students are required to show progress and achievement in areas such as image development, technical skill, personal growth and global, cultural and historical awareness. It is expected that students push themselves to try new techniques and examine the progress of their ideas.

In Grade 11, students are exposed to anything and everything – technical, visual, experimental, philosophical, historical - related to visual arts. Grade 11 students will be given a variety of projects and will learn the importance of the Visual Arts Journal (VAJ).

In the Grade 12 year, students use all their experiences and interests to put together a collection of written work and visual work that is shown in an exhibition, which forms part of the final exam for the course. The course is assessed

based on three components; Comparative Study (20%), Process Portfolio (40%), Exhibition and Curatorial Rationale (40%).

Throughout both Grade 11 and 12 students will participate in projects, exercises, and discussions to help them develop the skills and techniques of investigation, both written and visual, relate art to its cultural and historical context, develop and use the processes of art criticism and analysis, share one's work with an audience through displays or presentations, develop confidence speaking about art and make connections between ideas and practice.

IB Art is challenging to be sure and requires out of class hours to complete required work, but the ultimate goal of this class is to allow each student a means of achieving a personal understanding of themselves, the world around them and the art they create. It is a useful step in the beginnings of a career in a creative field.

FRENCH IMMERSION

Department Head: Ms. Emily Kung

Churchill Secondary School is one of three centres for Vancouver Secondary students wanting to pursue their studies in French Immersion. Students accepted into the Secondary French Immersion Program at Churchill should have previously completed a Late/Early French Immersion program at the elementary level. The catchment area for Churchill French Immersion includes the southern half of Vancouver. It is important to note that French Immersion is for students who have learned French as a second language (L2) or even as a third (L3) language. Courses are specifically designed for L2 and L3 learners.

For students who love a challenge, Prelude and IB programs do offer a (FI) component.

IMMERSION COURSES

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Art Dramatique	Art Dramatique	Art Dramatique * (paired with Conception de Media 10)		-
FRAL	FRAL	FRAL *	FEFLS *	FRAL *
Social Studies	Social Studies	Social Studies*	Social Studies **	-
Science	Science	Science*		-

(English Components)

PE/Guidance 8	PE/Guidance 9	PE/Guidance 10	-	-
Math 8	Math 9	Math 10	Math 11	-
English 8	English 9	English 10	English 11	English 12
Applied Skills 8	1 elective	1 elective	3 electives	6 electives
-	-	-	Science 11	-

*** Also offered separately for Prelude/IB students. For Prelude students, Art Dramatique will be paired with**

Etudes Internationales as two half-year courses.

**** This course (Social Studies) is in English for IB students who must also do CLE/CLC in French in order to get their Double Dogwood Diploma**

FRANCAIS LANGUE SECONDE-IMMERSION 8 Course Code: FFRAL08

Previous Course: French Immersion at the elementary level

In their first year of high school, students are expected to critically think and analyse the literary works presented, and communicate meaningful connections made to their surroundings. This course is intended to develop students' reading skills through literature and various texts from Quebec, France, the Francophonie and the First Nations. In addition, students are to continue reinforcing and applying key grammatical concepts and use of language in their spoken and written productions.

ART DRAMATIQUE 8 (COMMUNICATION 8) Course Code: FADRF08

Previous Course: French Immersion at the elementary level

Students are expected to develop proficiency in French oral communication skills through activities such as drama, presentations, discussions, debates, skits, critiques, video projects, and leadership activities. Group projects are a key component of the course. Active participation is encouraged and expected.

FRANCAIS LANGUE SECONDE-IMMERSION 9 Course Code: FFRAL09

Previous Course: Language & Literature 8

A continuation of FRAL 8, students continue to establish connections to various cultures and experiences through questioning, critical thinking and reflection. Students are expected to critically analyse various literature and texts through spoken and written productions, with which they continue to refine their knowledge of grammatical concepts and develop proficiency in the French language.

ART DRAMATIQUE 9 (COMMUNICATION 9) Course Code : FRADF09

Previous Course: Communication 8

An extension of Communication 8.

FRANCAIS LANGUE SECONDE-IMMERSION 10 Course Code: FFRAL10

Previous Course: Language & Literature 9

This course emphasizes all four language skills: speaking, writing, listening and reading. Knowledge of French grammar is stressed, as is vocabulary study, through composition exercises. Listening skills are also reinforced through various activities. Literary appreciation is developed through the study of novels, poetry, short stories and plays.

ART DRAMATIQUE 10/CONCEPTION DE MEDIA 10 (2 Half-Year Courses) Course Codes: FDRM-10SEM, FMEDD-10

Continuation of Communication 9. In the "Arts et Médias" portion of this semestered course, students will perform various communicative activities and learn about art, media and film studies.

ETUDES LITT ET ART ET PROD ECRITE 11 Course Code: FELFS11

Previous Course: Language & Literature 10

This course is designed to encourage students to discover, explore, analyze, and interpret cinematographic and literary works of the French-speaking world. The course offers numerous opportunities for students to demonstrate their understanding and communicate their ideas through a variety of digital media and communications. In addition, a variety of excerpts from well-known novels, plays and poems will be studied. The usual study of language, spelling and grammar also continues. Stress will be placed on good oral and written skills. Students will explore a variety of writing genres (essays, descriptions and narration) and do formal oral presentations.

Career Life Explorations (4 credits)/Career Life Connections Part A (2 cred) Course Code: MCLE-10SC1/MCLCA12SC1

This course is *required* for all **IB Grade 11 French Immersion** students in order to meet the requirements for the bilingual Dogwood Diploma. CLE and CLC will be taught in French and will outline the key concepts of Career Life Education. It will focus on the key concepts of Career Life Connections with an emphasis on the Capstone proposal.

*This course, although providing credit in French, cannot replace FILA/FRAL11 or FISS11 and **does not** count towards the bilingual Dogwood for non-IB students, although **does** count as a graduation requirement.*

FRANCAIS LANGUE SECONDE-IMMERSION 12 Course Code: FFAL12

This course includes a detailed study of a variety of literary works, selected from Canada, France and the francophonie, including Métis and other Canadian indigenous literature written in French. As well, a large selection of texts and documents will be read, discussed and created. The course will encourage students to use critical and creative thinking to analyze various communication situations and refine their communication skills in diverse contexts. Throughout the year, students also prepare for the French Immersion Graduation Literacy Assessment (GLA), which includes both a written and an oral component. The French Immersion Graduation Literacy Assessment (Évaluation de littératie – Français langue seconde – Immersion) is mandatory for all students who wish to obtain their Bilingual Dogwood (IB students included).

FRENCH IMMERSION SOCIAL STUDIES (SCIENCES HUMAINES 8, 9, 10, 11)

SCIENCES HUMAINES 8 Course Code: FSCHF08

The timeline for this course content spans from the 7th century to 1750. We will learn about ancient histories of civilizations around the world, the trading of goods, services and knowledge, early exploration and the beginnings of colonization. Students will explore these themes with the help of a variety of multimodal texts. In addition to building on content knowledge, students will have many opportunities to practice their critical thinking and communication skills. Students will also develop research skills that will be critical to their success in future humanities courses.

SCIENCES HUMAINES 9 Course Code: FSCHF09

In this course, we will explore the idea of continuity and change. We will be focusing events in Canada and around the world spanning from 1750 to 1919. Our Canadian themes include colonization, exploitation and nation building. Our international theme is centered around revolutions – social, political, economic and technological. Students will explore these themes with the help of a variety of multimodal texts. In addition to building on content knowledge, students will have many opportunities to practice their critical thinking and communication skills. Students will also develop research skills that will be critical to their success in future humanities courses.

SCIENCES HUMAINES 10 Course Code: FSCH-10

In this course we will explore Canada's 20th century history. We will look at what has happened in Canada over the last 100 years as well as Canada's place in major world events from 1914 to present. Some themes we will explore include historical and contemporary injustices, global and regional conflicts as well as reconciliation for the aforementioned. Students will explore these themes with the help of a variety of multimodal texts. In addition to building on content knowledge, students will have many opportunities to practice their critical thinking and communication skills. Students will also develop research skills that will be critical to their success in future humanities courses.

EXPLORATIONS SCIENCES HUMAINES ET SOCIALES 11 Course Code: FEPSS11

This course will provide the opportunity for students to explore 20th Century and Contemporary issues. Inquiry-based with a focus on critical thinking skills such as historical perspective-taking, historiography, and academic research and writing.

FRENCH IMMERSION SCIENCES 8, 9, 10 Course Codes: FSCF-08/FSCF-09/FSCF-10

French Immersion Science 8, 9 and 10 follow the same curriculum as English Sciences 8, 9 and 10. Instruction and resource materials are in French.

HOME ECONOMICS

Department Head: Mrs. Kathy Nicholson

TEXTILES 9 and 10 Course Codes: MADT-09 and MTXT-10

This course will include basic hand and machine construction techniques, including fabric study, First Peoples practices, and principles of design. Environmental and ethic factors that influence textile choices and the impact of those choices on local and global communities will be discussed. Strategies for altering patterns and upcycling/recycling will be explored. Students will have the opportunity to choose projects that meet their needs. Fieldtrips and guest speakers will be included.

TEXTILES 11 Course Code: MTXT-11

Previous Course: Textiles 10

This course will continue to develop the content areas of Textiles 10 in more detail. Also, topics around the influence of marketing and advertising, such as social media, in the promotion of fashion and textile items. Students will challenge themselves with more complicated designs and fabrics. This course develops individual expressions in clothing selection and intermediate skills in clothing construction. Fieldtrips and guest speakers will be included.

TEXTILES 12 Course Code: MTXT-12

Previous Course: Textiles 11

This course will continue to build on the content covered in Textiles 10 and 11. Methods for designing patterns, textile manipulation techniques, and historical perspectives (including First Peoples). Discussion of forecasting practices and how they are used in the development and creation of textile items. The relationship between the fibre content, fabric type, and textiles use will always be considered. Careers in clothing and textiles will be examined. Fieldtrips, portfolios, and guest speakers will be included.

FASHION DESIGN 12B Course Code: YVHE-2B

Previous Course: Textiles 11 and Textiles 12

This course is for fashion conscious students interested in developing their designing abilities. This could provide an enjoyable hobby or, with additional training, could lead to a fashion career. It also further develops the ability to make wise clothing choices and to evaluate fabric goods critically and objectively. Each student will complete a series of flat pattern drafting assignments and produce a personalized pattern block to be used as a basis for their own designs. Creativity and self-expression, through the use of pattern blocks will be used to create at least three garments in a variety of fabrics. Students will also complete units on colour, design elements of fashion and fashion sketching.

FIBER CRAFT AND MAKER TECHNOLOGY Course Code: YHEC-0A

Open to Grades 9, 10, 11 or 12

This course provides students with both theory (including historical/cultural/First Peoples significance and environmental issues) and practice in the production of craft items. TAC is a multi-faceted form of artistic expression that may include some of the following techniques – embroidery (hand and machine), crocheting, knitting etc. Through samples and choice of projects the students will have the opportunity to develop and refine many different crafting techniques. For some this exposure might ultimately influence their interest to pursue a career since the use of social media (etsy etc.) and guest speakers will be discussed and included. For others, it may be a future hobby.

FOODS STUDIES 9 and 10 Course Codes: MADFS09 & MFOOD10

Open to Grades 9, 10, 11 or 12

This course will engage with the following subject matter: food safety and security, meal preparation and planning, and cultural eating practices including First Peoples. Students will explore food trends, marketing, nutrition, food systems, and the relationship between mental and physical well-being, all while learning the basics of home cooking. A global perspective on food systems will encompass environmental, ethical, economical considerations, and the impact on health.

FOOD STUDIES 11 Course Code: MFOOD11

Previous Course: Foods & Nutrition 10

This course builds on the skills and knowledge gained in Foods & Nutrition 10. More advanced food preparation techniques and further study of nutrition will take students to an intermediate level. Students will consider consumer issues and evaluate environmental, cultural, social and aesthetic components of food. Students are able to select many of their own recipes and plan labs, while considering such elements as management of time, energy and cost. Foodsafe Level 1 certification is a component of this course.

FOOD STUDIES 12 Course Code: MFOOD12

Previous Course: Foods & Nutrition 11

This course builds on the skills and knowledge gained in Foods 11. Students will learn more advanced food preparation techniques and use their skills in a variety of situations, using specialized equipment and management of food resources. Additional study topics will include career research, health concerns, global issues, current events and recipe development.

INTERIOR DESIGN 11 Course Code: YAED-1B

Open to grades 10, 11 & 12

Do you imagine what it would be like to be an Interior Designer? Are you curious about career options in this field? The Interior Design business is really hot right now with a new generation of products, on-line shopping and TV programs to help individuals design beautiful, inspired spaces for living and working. This course provides students the opportunity to examine the elements and principles of design and learn how to apply these to the interior design process. Students will investigate the design process from start to finish. A body of work will be produced that represents their individual design style. Students will explore career options in the field of Interior Design.

PSYCHOLOGY 11 Course Code: YPSYC1A

Open to grades 10, 11 & 12

This introductory course focuses on the study of human behaviour. It draws broadly on research and theoretical work of scientists and practitioners to provide the student with relevant, practical information. Topics may include developmental psychology, learning theories, motivation and emotions, nervous system, personality, altered states of consciousness, social problems, and normal and abnormal behaviour. By the end of this course, students will have a basic understanding of psychology as it relates to personal, social and educational life.

INTERPERSONAL AND FAMILY RELATIONSHIPS 11 Course Code: MIAFR11

Open to grades 10, 11 & 12

This course focuses on factors involved in interpersonal relationships and communication styles and strategies. Topics covered will be Marriage and Commitment Customs and how they are influenced by cultural norms, including First Peoples culture. Factors involved in ending relationships, components of safe/healthy relationships and unsafe/unhealthy relationships. There will be individual topics of interest as students may direct. Some books will be used at times to discuss and understand topics.

SOCIAL PSYCHOLOGY 12 (CHILD DEV. AND CAREGIVING 12) Course Code: MCDAC12

Open to grades 10, 11 & 12

The course focuses on “Families in Society”. Wellness and health, including topics on Pregnancy, Prenatal development, child development including First Peoples theories, caregiving styles society. Real Care Babies (Computer babies) are used in this course. “Big questions” will be addressed as students ask their own questions and show interest in specific topics.

TOURISM 12 (Human Services) Course Code: MTRM-12

Open to grades 10, 11 & 12

This course is designed to prepare and assist students in people-oriented careers. Topics include but not limited to career choices, job search and employability skills, communication, self-improvement, and community development. Students will gain a clearer knowledge of their personal potential, job preparedness and an understanding of the human communication skills specific to the field of tourism and the local community.

MATHEMATICS

Department Head: Ms. Faten Kobbi

The Mathematics program is designed to offer the student courses including computational skills, algebra, geometry, logical reasoning, statistics, pre-calculus and calculus. A primary objective of the program is to provide every student with a sound working knowledge of the mathematics necessary to succeed in their chosen post-graduation field. The diversity of our program enables the student to pursue interests in the workplace, apprenticeship programs and in college or university education.

- Grade 7 students who have shown math capability beyond the grade 8 level are invited to write an advanced mathematics 8 placement test. If successful, they will be enrolled in Math 9. The test is usually administered in the spring.

In grades 10-12, the pathways program designed by the Ministry of Education is followed. There are three options (see grid next page):

- Foundations of Mathematics – designed for students planning to pursue a post-secondary ARTS program. In grade 10, the Foundations and Pre-Calculus courses are combined.
- Pre-Calculus Mathematics - designed for students planning to pursue a post-secondary SCIENCE program.
- Apprenticeship and Workplace Mathematics – designed for students entering the workforce immediately after graduation or who are pursuing specific apprenticeship training.

MATHEMATICS 8 Course Code: MMA--08

The textbook used in most classes is an affordable student workbook, available for purchase and consumable use or for use and return provided that the student does not write in it.

This course places emphasis on basic skills applied to the set of real numbers (positive and negative, fractions, decimals, percent and irrational numbers). Data analysis, equations, exponents, measurement, graphing and geometry are taught and worked with throughout the year. Word problems are used as much as possible where appropriate to add interest and emphasis to problem solving techniques. The major topics presented are:

Integers and Rational Numbers
Decimals and Real Numbers
Ratio and Rate
Percent
Perimeter, Area and Volume
Problem Solving

Exponents and The Pythagorean Theorem
Geometry
Equations
Statistics and Probability
Patterns and Relations

MATHEMATICS 9 Course Code: MMA--09

Previous Course: MA8

The textbook used in this course is an affordable student workbook, available for purchase and consumable use or for use and return provided that the student does not write in it.

Mathematics 9 reviews the ideas introduced in Mathematics 8 and lays the foundation for more advanced study of mathematics in grades 10, 11 and 12. The major topics presented in the course are:

- Arithmetic Review
- Rational Numbers
- Probability and Statistics
- Financial Literacy
- Linear Equation
- Word Problems in 1 Variable
- Reasoning
- Exponents
- Polynomials
- Similarity and Scale Factors

Overview of Pathways

K to 9

GRADE 10

Apprenticeship and
Workplace Math

Common Grade 10 Course
(Foundations of Math and Pre-Calc 10)

GRADE 11

Apprenticeship and
Workplace Math

Foundations
of Math

Foundations
of Math

GRADE 12

Apprenticeship and
Workplace Math

Foundations
of Math

Foundations
of Math

Designed to provide students with the mathematical understandings and critical thinking skills for:

Entry into the majority of trades and for direct entry into the work force.

Post-secondary studies in programs that do not require the study of theoretical calculus.

Post-secondary program that require the study of theoretical calculus.

FOUNDATIONS AND PRE-CALCULUS MATHEMATICS 10 Course Code: MFMP-10

Previous Course: MA9

The textbook used in this course is an affordable student workbook, available for purchase and consumable use or for use and return provided that the student does not write in it.

This course is designed for students who will be pursuing either the Foundations of Math program OR the Pre-Calculus program.

Topics include:

- Finance
- Rationals and Irrationals
- Polynomials
- Equation and Slope of a Line
- Trigonometry
- Introduction to Function
- Linear equations/Linear system of equations
- Arithmetic sequences and series

WORKPLACE MATHEMATICS 10 Course Code: MWPM-10

Previous Course: MA9 or EMA9

The textbook used in this course is an affordable student workbook, available for purchase and consumable use or for use and return provided that the student does not write in it.

This course is intended for students who will NOT continue in a mathematics related career and to those who wish to review fundamental skills. It entitles the student to continue in Apprenticeship & Workplace Mathematics 11. The course includes some topics from Mathematics 8, 9, and 10. NOTE: Credit for Apprenticeship & Workplace Mathematics 10 is not equivalent to credit for Foundations and Pre-Calculus Mathematics 10.

Students with a weak background in FMP10 should register for Apprenticeship and Workplace Mathematics 11.

PRECALCULUS MATHEMATICS 11 Course Code: MPREC11

Previous Course: FMP10

**Graphics calculators will be used extensively – purchase of one is advised. **

The textbook used in this course is an affordable student workbook, available for purchase and consumable use or for use and return provided that the student does not write in it.

The main topics in the course include:

- Quadratic Functions/Quadratic Equations
- Polynomial Functions
- Finance
- Trigonometry
- Rationals and Irrationals
- Radicals and Radical Equations

FOUNDATIONS OF MATHEMATICS 11 Course Code: MFOM-11

Previous Course: FMP10

**Graphics calculators will be used extensively – purchase of one is advised. **

The textbook used in this course is an affordable student workbook, available for purchase and consumable use or for use and return provided that the student does not write in it.

The Foundations of Mathematics 11 and 12 courses are intended for students heading into post-secondary studies in programs that do not require the study of theoretical calculus. Topics include:

- Measurement
- Geometry
- Logical Reasoning
- Statistics
- Quadratic Functions & Quadratic Equations
- Research Project

WORKPLACE MATHEMATICS 11 Course Code: MWPM-11

Previous Course: AWM10

The textbook used in this course is an affordable student workbook, available for purchase and consumable use or for use and return provided that the student does not write in it.

The Apprenticeship and Workplace Mathematics 11 and 12 courses are intended for students planning on entry into the majority of trades and for direct entry into the work force. Topics include:

- Measurement
- Geometry
- Finance
- Algebra
- Graphs

PRECALCULUS 12 Course Code: MPREC12

Previous Course: PRECALC 11

**Graphics calculators will be used extensively – purchase of one is strongly advised. **

The textbook used in this course is an affordable student workbook, available for purchase and consumable use or for use and return provided that the student does not write in it.

This course is designed for the student of above average math ability. It provides a basis for those students who plan post-secondary careers in such areas as Mathematics, Physics, Engineering, Chemistry, Medicine, Biology and related fields. Topics include:

- Polynomials
- Relations and Functions
- Transformations
- Exponents and Logarithms
- Trigonometry
- Conics
- Geometric Sequences and Series

FOUNDATIONS OF MATHEMATICS 12 Course Code: MFOM-12

Previous Course: FOM 11

**Graphics calculators will be used extensively – purchase of one is advised. **

The textbook used in this course is an affordable student workbook, available for purchase and consumable use or for use and return provided that the student does not write in it.

Foundations of Math 12 is intended for students heading into post-secondary studies in programs that do not require the study of Calculus. Topics include:

- Relations and Functions
- Financial mathematics
- Logical Reasoning
- Exponential & Log Functions
- Combinatorics
- Probability
- Math Research Project
- Polynomial and Sinusoidal Functions

APPRENTICESHIP MATHEMATICS 12

Course Code: MAPPR12

Previous Course: AWM 11

Apprenticeship and Workplace Mathematics 12 is intended for students planning on entry into the majority of trades and for direct entry into the work force. Topics include:

- | | |
|----------------|---------|
| • Measurement | Algebra |
| • Geometry | Graphs |
| • Trigonometry | Finance |

CALCULUS 12 **Course Code: MCALC12** *Previous Course: Completion of Pre-Calculus 12 with a minimum average of 75%.*

**Graphics calculators will be used extensively – purchase of one is advised. **

Topics include:

- | | |
|-------------|---------------|
| • Functions | • Derivatives |
| • Graphs | • Integrals |
| • Limits | |

Successful candidates will be recommended to sit the AP Calculus AB exam in May.

CALCULUS 12 AND MATH 12 **Course Codes: MCALC12SEM and MPREC12SEM**

Previous Course: An A or B in Prec11

**Graphics calculators will be used extensively – purchase of one is advised. **

These courses are for Grade 12 students who plan to take both Pre-Calculus 12 and Calculus 12. To allow for a better understanding of calculus, Pre-Calculus 12 will be taught in both blocks for the first five months. Upon completion of Pre-Calculus 12, Calculus 12 will be taught in both blocks for the remaining five months. Topics covered will be the same as for Pre-Calculus 12 and Calculus 12.

In general students will not be in a position to write the AP exam in May.

MODERN LANGUAGES

Department Head: Ms. Liliana Chuaqui

The aim of the Modern Languages Department is to provide students with the ability to:

1. Participate actively in reciprocal interactions in other languages
2. Deepen their understanding of other languages and value cultural diversity
3. Engage in meaningful conversation about things that are important to them
4. Explore their own cultural identity from a new perspective

After students finish French 8, they are free to continue French and/or choose Spanish, Japanese or Mandarin depending on availability and registered priority (grade level).

PLEASE NOTE: Those students who already are advanced in a Modern Language must check with their teacher first, then their counsellor and the B.C. Ministry of Education website for external credits towards graduation and the possibility of doing a Language Challenge Exam at the grade 11 or 12 level. However, a language challenge exam mark cannot be used in calculating your grade point average for university entrance. As well, universities such as UBC will not allow early entrance admission to students who declare online courses as part of their GPA, so it is best to take a language at Churchill.

FRENCH 8 Course Code: MFR--08

This course is for students who either:

- a. Have not previously taken a formal French course or
- b. Have studied some French in elementary school.

In French 8, students will connect and engage with others in a communicative environment to share ideas related to daily life, such as meeting people, food/drink in the café, activities at home and at school, what they do on the weekend, and other possessions. Students will be able to ask and respond to simple questions and share information. Students will build relationships with one another through cooperative activities, will come to appreciate Francophone cultures, and will learn to value diversity.

Note: Purchase of the course workbook is strongly recommended. The workbook will also be used in French 9.

FRENCH 9 Course Code: MFR--09

Previous Course: French 8

This course further develops the basic skills presented in French 8. More sophisticated vocabulary and grammatical structures will be studied, including but not limited to the past tense of verbs. Topic discussed will include, City life, Paris, Shopping and fashion, leisure activities, and Francophone cuisine. The course workbook used in French 8 will also be used in French 9. Students will be able to connect and engage with others and learn to be contributors with their peers. As well, they will also continue to develop analytical, critical and creative skills. There will also be a focus on francophone culture and history and geography.

FRENCH 10 Course Code: MFR--10

Previous Course: French 9

In French 10, connecting and engaging with others is done with storytelling, filmmaking, interior decorating and job searching. Oral and written achievement are important; however, the students will be encouraged to gain better critical thinking and analytical competencies. Students will continue to work to improve their pronunciation and by the end of the year a successful student should be able to talk about several everyday topics and use the more important tenses in conversation. Oral presentations will be required. (To go into IB, communication and writing abilities should both be adequately present). **NOTE:** Purchase of the course workbooks is highly recommended and will be used in French 11.

FRENCH 11 Course Code: MFR--11

Previous Course: French 10 or Preparatory course for Prelude 10

With the topics of “Who am I?” leisure and arts, weekend activities and cuisine, development will be continued in all areas (speaking, listening, reading, writing) with more detailed work in vocabulary and grammar. Skill in oral comprehension and expression, written composition, and understanding of reading material will also be expanded. Oral presentations will be made during the year and compositions will be required from time to time. This course is necessary for those continuing on in French for University Arts and Political Sciences Programs, Scholarship or other purposes. Reminder that universities will not accept online courses as part of GPA calculation for early acceptance.

FRENCH 12 Course Code: MFR--12

Previous Course: French 11

Exploring the themes of crime, news, travel and art, in this course students are expected to further develop their listening and speaking competencies and written production. They will analyze critique, develop and design ideas in response to francophone world, and indigenous literature. Again, for those wishing to pursue studies in post-secondary Arts or in Politics, this course is helpful for language credit. Reminder that universities will not accept online courses as part of GPA calculation for early acceptance.

SPANISH 9 Course Code: MSP--09

This is a first-year course for students with no prior knowledge of Spanish. Students will learn to communicate in every-day, practical situations. Topics of study will include meeting people, talking about oneself, likes and dislikes, the family, Mexican cuisine, the home and neighbourhood, and leisure activities. Students will learn how to ask and answer simple questions. Of particular focus will be the Spanish-speaking countries of Spain, Mexico, the United States, and Puerto Rico. Students will learn about the influence of indigenous cultures such as the Aztec and the Maya on modern Hispanic society. Cultural celebrations will be introduced, including 'The Day of the Dead' and 'Cinco de mayo'.

SPANISH 10 Course Code: MSP--10

Previous Course: Spanish 9

This is a second-year course that further develops the basic skills learned in Spanish 9. Students will learn more complex vocabulary and grammatical structures, including the present progressive and past tense of verbs. They will be able to ask and answer open-ended questions and go gather information on topics such as sports and leisure activities, daily routines at home and in school, and vacation plans. Countries highlighted will include Spain, the United States, Argentina, Chile, and Peru. Hispanic cultural celebrations will be further explored and students may learn how to make a piñata. The influence of the Inca indigenous culture on Hispanic society will be discussed.

INTRODUCTORY SPANISH 11 Course Code: MBSP-11

Not open to Grade 8 or 9 Students

This is a course for students with no prior knowledge of Spanish. This is an intensive course that combines Spanish 9 and 10 together in one year. Students must be highly motivated and independent language learners in order to undertake this course. Students will learn to communicate in every-day practical situations, encompassing the four basic language skills of speaking, listening, reading and writing. Hispanic culture and traditions will also be introduced.

SPANISH 11 Course Code: MSP--11

Previous Course: Spanish 10 or Introductory Spanish 11

Students will expand their knowledge of the Spanish language and be able to use more sophisticated vocabulary and grammatical structures, including the future, imperfect, and conditional verb tenses. They will be able to discuss travel, the environment, outdoor adventure, technology, childhood experiences, and cuisine. The political history of Argentina, dance and city/rural life will also be discussed. Students will deepen their appreciation of Hispanic culture, with a specific focus on Spain, Mexico, Costa Rica, the Dominican Republic, New York City, and Argentina. Students will further familiarize themselves with the history of the European and the indigenous populations of the Spanish-speaking countries.

SPANISH 12 Course Code: MSP--12

Previous Course: Spanish 11

This course focuses on the advanced study of language, literature and culture. Students will gain an increased competence in vocabulary and grammatical structures, together with an appreciation of the literary works of recognized Spanish and Hispanic writers. They will be prepared to study Spanish language and literature at the post-secondary level.

INTRODUCTORY JAPANESE 11 Course Code: MBJA-11

Not open to students in Grade 8 or 9 Students

This course is for students who are learning Japanese for the first time. By the end of the year, students will be able to recognize the relationships between Japanese characters and sounds for hiragana and katakana. Students will be able to connect and engage with others by asking and responding to simple questions on familiar topics in context, including facts about themselves, their family, friends, hobbies, daily routines and school and present information in a clear and organized way. Students will also explore texts to gather key information and develop their own ideas as a response. Fun cultural information may also be introduced through a cooking workshop and/or a field trip.

JAPANESE 11 Course Code: MJA--11

Previous Course: Introductory Japanese 11

This is the second year of Japanese study at Churchill. Students will begin to learn how to write Kanji. Focus of study includes themes such as Restaurants, Doctor's Office, and My Future. Cultural information may also be introduced through a cooking workshop and/or a field trip.

JAPANESE 12 Course Code: MJA--12

Previous Course: Japanese 11 or IBJA11AB

This is the third year of Japanese study at Churchill. Students will be exposed to themes such as Media, the Environment, and Travelling. Students will be at a level where they can express opinions and thoughts in addition to stating basic facts. Cultural information may also be introduced through a cooking workshop and/or a field trip.

***FOR IB STUDENTS: IB students will take the above courses to satisfy their Group 2 requirement. The equivalent course codes are as follows:

Year 1 student with no Japanese experience or with Japanese 9 credit: IJA11

Year 1 student who has credit for Japanese 10 or Introductory Japanese 11: IBJS11

Year 2 student: IBJS12

PHYSICAL EDUCATION

Department Head: Mr. Greg Pears

PHYSICAL AND HEALTH EDUCATION 8, 9 AND 10 - PHE is a required course for all Grade 8, 9 and 10 students.

Course Codes: MPHE-08, MPHE-09, MPHE10

The curriculum emphasis is on personal health goals, fitness concepts and skill acquisition through individual, dual and team sports. The courses are designed to be progressively more demanding of students' abilities in motor performance, knowledge and social development. The graduating PE 10 students should have lifetime skills that enable him or her to make responsible, personal health decisions and be wise consumer of community services. Field trips to use community facilities may be offered. There will also be an added focus on self evaluation and reflection on the core competencies of communication as well as personal and social responsibility. The course will touch on substance abuse, sexual education and mental health issues.

Activities the three mandatory years of PE have to offer will include:

GRADE 8

Rugby	Wrestling (boys only)	Track & Field
Team Handball	Gymnastics	Softball
Basketball	Weight Training	
Dance	Fitness	

GRADE 9

Soccer	Gymnastics	Basketball
Weight Training	Table Tennis	Volleyball
Fitness	Football	
Dance	Badminton	

GRADE 10

Tennis	Volleyball	Archery	Lacrosse
Table Tennis	Golf	Team Handball	Rugby
Ultimate	Weight Training	Fitness	First Aid

PHYSICAL EDUCATION 9 LEADERSHIP Course Code: MPHE-09ENR

Previous Course: satisfactory completion of PE 8

PE 9 leadership is a course for students who wish to develop their leadership skills both in school and in the greater community. While the courses curriculum is similar to that of PE 9, there will be an added focus on developing students' character, increasing social awareness, and engaging in community service. This course introduces the decision-making and communication strategies that will be further developed in PE 10 leadership.

PHYSICAL EDUCATION 10 LEADERSHIP Course Code: MPHE10ENR

Previous Course: Satisfactory completion of PE 9

PE 10 leadership is a course for students who wish to develop their leadership skills both in school and in the greater community. While the courses curriculum is similar to that of PE 10, there will be an added focus on developing students' character, increasing social awareness, and engaging in community service. This course introduces the decision-making and communication strategies that will be further developed in PE 11/12 leadership.

ACTIVE LIVING 11 AND 12 Course Codes: MACLV11, MACLV12 *Previous Course: Satisfactory completion of PE 10*

PE 11 and PE 12 are coeducational electives courses intend to continue the development of a student's personal responsibility for his/her own health. The curriculum requires that student's complete units on skill development, are exposed to a variety of lifetime leisure-oriented activities, develop leadership skills, and can be certified in areas of first-aid, sports medicine, or leadership. The curriculum requires that students participate actively in a variety of team and individual sports in order to develop and demonstrate skills, fitness and leadership. The course may include field trips that utilize community facilities to introduce a diversity of leisure-oriented activities. PE 11 offers a certificate course in first-aid.

Note: PE 11 and PE 12 meet the Graduation Transition requirements for Personal Health

FITNESS & CONDITIONING 11 AND 12 Course Code: MFTCD11, MFTCD12

Previous Course: satisfactory completion of PE 10

Fitness 11 and Fitness 12 have been created to provide students with knowledge to design and implement both a muscular and aerobic fitness program specific to their needs. Furthermore, students will gain an understanding of the value of physical fitness as an integral part of health and wellness. A variety of methods and equipment will be used in the course including but not limited to; fitness machines, free weights, stability balls, medicine balls, ladders, reaction balls, and bosu balls. In addition to actual physical training the course will discuss health related topics such as nutrition and healthy lifestyle.

Note: PE 11 and PE 12 Fitness meet the Graduation Transition requirements for Personal Health

ACTIVE LIVING 11 AND 12 (BASKETBALL) Course Codes: MACLV11SC1, MACLV12SC1

Previous Course: satisfactory completion of PE 10

PE 11 (Basketball) and PE 12 (Basketball) are co-educational elective courses intended to continue the development of a student's personal responsibility for his/her health. The course will cover all the intended learning outcomes of

regular PE 11/12 but curriculum will concentrate on basketball. In addition to developing skill in basketball; the course will cover fitness, nutrition, leadership and lifestyle in order to maximize the students actively.

The curriculum requires that students participate actively.

Note: PE 11 (Basketball) and PE 12 (Basketball) meet the Graduation Transitions requirements for Personal Health.

SCIENCE

Department Head: Ms. Karla Smedley

In Science 8, 9 and 10, students investigate topics through experimentation and hands-on activities. Emphasis is placed on the nature of science (the scientific method, how scientific knowledge is generated, etc.), placed-based knowledge (including aboriginal perspectives), conceptual and procedural knowledge, habits of mind and scientific literacy. The program consists of **core competencies**, **curricular competencies**, and **big ideas**. **Big ideas** are themes that encompass and connect more specific **content** and optional **elaborations**.

Core competencies are: sets of intellectual, personal, and social and emotional proficiencies that all students need to develop in order to engage in meaningful life-long learning. Critical thinking is a fundamental aspect of the nature of science.

Curricular competencies are: subject specific skills developed through student work in the laboratory and classroom. They include: questioning and predicting, planning and conducting, processing and analyzing data and information, evaluating, applying and innovating, communicating.

SCIENCE 8 Course Code: MSC--08

Previous Course: Grade 7 Science or equivalent

Big ideas are:

1. Cells are the basic unit of life.
2. Energy can be transferred as both a particle and a wave.
3. The kinetic molecular theory and the theory of the atom explain the behaviour of matter.
4. The theory of plate tectonics is the unifying theory that explains Earth's geological processes.

SCIENCE 9 Course Code: MSC--09

Previous Course: Science 8

Big ideas are:

1. Cells are derived from cells.
2. The electron arrangement of atoms impacts their chemical nature.
3. Electricity is the flow of electrons.
4. The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.

SCIENCE 10 Course Code: MSC--10

Previous Course: Science 9

Big ideas are:

1. Genes are the foundation for the diversity of living things.
2. Chemical processes require energy change as atoms are rearranged.
3. Energy is conserved and its transformation can affect living things and the environment.
4. The formation of the universe can be explained by the big bang theory.

SCIENCE FOR CITIZENS 11 Course Code: MSCCT11

Previous Course: Science 10

This course is an acceptable Science 11 graduation course. It emphasizes the application of science to everyday life. This is a brief synopsis of how the course is structured:

- There will be no homework, all assessments and assignments will be completed and worked on during class time. All sheets and notes will be kept in a folder in the classroom.
- There will be no large unit tests, but there will be a short quiz everyday based on the material/work they did the previous class. There will also be labs, projects and other assignments.
- At the end of each term, we will use their top ten quiz scores as part of their term mark. For this reason, there will be no re-quizzes or quiz make-ups if they miss a class.
- So, the privileges are no homework and no large tests, but the responsibilities are attending each class and completing work during class time.
- The main topics we will cover are Science as it relates to Food, Health and Career.

LIFE SCIENCES 11 Course Code: MLFSC11

Previous Course: Science 10 (C+ or better is recommended)

A course with great focus on application of concepts in realistic scenarios related to organisms. Considerable emphasis is also placed on the relationships that exist between living things, their environments and the evolutionary process. This course includes the development of skills such as comparing and contrasting, analyzing evidence, and constructing models, which will be extremely useful in Anatomy and Physiology 12. The main topics for this course are:

1. Characteristics of living things, including cell structures, asexual and sexual reproduction, biochemistry (cellular respiration and photosynthesis)
2. Process of evolution
3. Taxonomy (classification) including microbiology (viruses, bacteria and protists), mycology (fungi), plant and animal biology.

A wide variety of lab activities including microscopy and dissections of various plants and animals are integral components of Life Sciences 11. Students will likely go to the Vancouver Aquarium for a field trip.

CHEMISTRY 11 Course Code: MCH--11

Previous Course: Science 10 (C+ or better is recommended). Math 11 should be taken concurrently

Chemistry 11 is the first formal course in Chemistry. It consists of classroom lessons, laboratory activities, practicing lab safety, and some classroom demonstrations. The course content covers measurement, matter and its changes, atoms/molecules/ions, nomenclature, the mole concept, types of reactions, stoichiometry, atomic theory, the periodic table, bonding, solutions and organic chemistry. The student must be able to read and follow a lab procedure from a lab manual. Mathematical calculations are required for the course content. The course will mainly focus on developing the core competency of critical thinking along with some aspects of creative thinking.

PHYSICS 11 Course Code: MPH--11

Previous Course: Science 10 (C+ or better is recommended). Math 11 should be taken concurrently

Physics 11 is a laboratory-based course intended as an introduction to physics and provide insight into its scope, nature, relevance and limitations so that students have a better understanding of the world around them. Topics of study include:

1. Kinematics in 2D, Dynamics in 2D and Momentum
2. Work and Energy
3. Electric Circuits
4. Waves, Light and Optics
5. Nuclear Physics
6. Quantum
7. Thermal Physics

ANATOMY AND PHYSIOLOGY 12 Course Code: MATPH12

Previous Course: Life Sciences 11 with a C+ or better is highly recommended. Chemistry 11 is also recommended.

Anatomy and Physiology 12 focuses on the interrelationships between components of the human body systems to maintain a state of homeostasis using cellular compounds and biological molecules. This course places significant emphasis on detailed biological processes and comprehensive application of concepts in preparation for post-secondary biology studies. Students will engage in a variety of laboratory activities ranging from microscopy to dissection. The three main components of the course are:

1. Homeostasis and its maintenance through physiological processes
2. DNA and Cells
3. Human organization, including how human anatomy is adapted to its many functions

The development of skills and conceptual application presented in Life Sciences 11 serve as key foundations for students considering taking Anatomy and Physiology 12.

CHEMISTRY 12 Course Code: MCH--12

Previous Course: Chemistry 11 and Math 11 (C+ or better in both subjects is highly recommended)

This course is designed for students who wish to take Chemistry at the university level. It consists of classroom lessons, laboratory activities, practicing lab safety, and some classroom demonstrations. Mathematical calculations are required for the course content and are more rigorous than that encountered in Chemistry 11. Students will learn why certain reactions take place rapidly and others slowly; why some reactions proceed to completion and others do not; why some compounds dissolve in water and to what extent; and many different aspects of acids and bases. Oxidation-reduction reactions are also examined and applied to electrochemical and electrolytic cells. The course will mainly focus on developing the core competency of critical thinking along with some aspects of creative thinking.

PHYSICS 12 Course Code: MPH--12

*Previous Course: Physics 11 and Math 11 (C+ or better in both subjects is **highly** recommended). Math 12 should be taken concurrently.*

Physics 12 is a laboratory-based course designed for students with an interest in laboratory work, a high analytical ability and well-developed problem-solving skills. Students will learn to solve physics problems in two dimensions and apply them to lab projects throughout the course. Topics of study include:

1. Momentum and Energy
2. Circular Motion and Gravitation
3. Electrostatics
4. Electromagnetism
5. Equilibrium
6. Special Relativity

SOCIAL STUDIES

Department Head: Ms. Helen Sinclair

Social Studies 8, 9, 10 are courses required for high school graduation. The content varies with each grade level but geographic and historical focus is common as is the teaching of the knowledge and skills necessary to master the next grade level. Current events are studied throughout the grades. Each course will stress a variety of teaching methods and include lectures, seminars, student presentations, discussions and guest speakers. Audio-visual support materials such as films, tapes and slides are also used. The department also offers the following electives: Economics 12, Law Studies 12, Comparative Cultures 12, Human and Physical Geography 12, Social Justice 12, 20th Century World History 12 and First Nations 12.

SOCIAL STUDIES 9 Course Code: MSS--09

Previous Course: Social Studies 8

In this course, we will explore the idea of continuity and change. We will be focusing events in Canada and around the world spanning from 1750 to 1919. Our Canadian themes include colonization, exploitation and nation building. Our international theme is centered around revolutions – social, political, economic and technological. Students will explore these themes with the help of a variety of multimodal texts. In addition to building on content knowledge, students will have many opportunities to practice their critical thinking and communication skills. Students will also develop research skills that will be critical to their success in future humanities courses. Current events and field trips will be incorporated depending on course relevance.

SOCIAL STUDIES 10 Course Code: MSS--10

Previous Course: Social Studies 9

Social Studies 10 aims to develop students' critical and historical thinking skills through an examination of systems of government, environmental and economic challenges and 20th century Canadian history. Themes and topics studied may include but are not limited to regional and international conflicts, historical and contemporary injustices, Canadian identity/ies, and global population and poverty. Throughout our study, students will develop their ability to read, write, and think effectively within the various disciplines within Social Studies in order to provide a foundation for further study and life in Canadian Society. In addition, current events and field trips will be incorporated depending on course relevance.

SENIOR SOCIAL STUDIES ELECTIVES:

The following elective options in Social Studies are all BC Ministry of Education approved courses. There are no government final exams in these courses.

EXPLORATIONS IN SOCIAL STUDIES 11 Course Code: MEPSS11

Previous Course: Social Studies 10

This course will provide students the opportunity to explore 20th Century and contemporary issues in-depth. Students will be digging deep into different concepts through engaging projects and role-playing activities. Examples may include a re-creation of the Paris Climate Conference and the societal simulation Civic Mirror. This course will further develop the skills students need for senior Social Studies courses.

Selected topics may include: War and Peace, Human Geography, Contemporary Indigenous Issues, Political Studies, and Social Justice.

20th CENTURY WORLD HISTORY 12 Course Code: MWH--12

History 12 is an elective course in which components of the course provide an overview of modern 20th century history and contemporary world issues from an international perspective. Using project based - historical inquiry students will reflect on the major events, concerns and development during this time period.

Selected topics may include: The Paris Peace Conferences, USSR, Interwar Period, World War II, Cold War, Civil Wars, Independence Movements, Revolutions, Human Rights and 21st Century Global Issues.

BC FIRST PEOPLES 12 Course Code: MBCFP12

The **Big Ideas** are:

1. The identities, worldviews, and language of BC First Peoples are renewed, sustained, and transformed through their connection to the land.
2. The impact of contact and colonialism continues to affect the political, social, and economic lives of BC First Peoples.
3. Cultural expressions convey the richness, diversity, and resiliency of BC First Peoples.
4. Through self-governance, leadership, and self-determination, BC First Peoples challenge and resist Canada's ongoing colonialism.

COMPARATIVE CULTURES 12 Course Code: MCMCL12

This course focuses on the cultural and intellectual history of Western Europe from early civilization through ancient Greece and Rome, to the twentieth century. It will examine the definitions of culture and how these have changed over time.

HUMAN GEOGRAPHY 12 Course Code: MHGEO12

Human geography is the study of how human societies have developed and operated in relation to their physical environment. Human activities alter landscapes in a variety of ways. Themes and topics studied may include but are not limited to demography, industrialization, geo-political organization, urbanization, climate change, and sustainability. Students will develop and use geographic inquiry processes and skills to better understand our globally connected world. In addition, current events and field trips will be incorporated depending on course relevance.

LAW STUDIES 12 Course Code: MLST-12

This broad survey course covers the width and breadth of Canadian law (including the philosophical and moral foundations of the law, legal history from ancient times to modern, English common law, constitutional law, human rights, international law, Indigenous legal systems, criminal law, civil law (torts and contracts), and family law). Students will participate in an intensive mock trial project, participate in field trips to BC Provincial Court and BC Supreme Court, and progressively apply learned knowledge to case studies drawn from current events.

SOCIAL JUSTICE 12 Course Code: MSJ--12

Social Justice 12 aims to develop students' understanding conceptions of justice in society, with key focus being made of illuminating the inter-connected complex nature of justice issues. Themes and topics studied may include but are not limited to historical and contemporary injustices in Canada and the global world, individual-society relations, intersectional identity, and action-oriented approaches to combating injustice in society. Throughout our study, students will develop and apply historical thinking concepts to better understand and act in a just manner as a Canadian citizen.

WORK EXPERIENCE (Ms. Wanda Yee - Teacher Contact)

This course is off-timetable and does not interfere with regular course scheduling. Please speak with Ms. Yee in Room 317 if you want more information on this.

WORK EXPERIENCE PROGRAM Course Code: MWEX-2A

- Earn 4 credits toward high school graduation.
- *Students can sign up as early as the Spring of their **Grade 10 year ... see Ms. Yee in room 317;***
- Extensive in-school preparation and on-site work experience in a career area.
- For students who are interested in a particular career area and would like to explore the different career opportunities in that area.

90 – 100 Hours of Work Experience to be completed during Gr. 11 and Grade 12.

For some placements students may be required to miss one week of school, but options on weekends/evenings/breaks from school are also widely available.

Benefits:

- Development of skills and knowledge in a particular interest area.
- Gain insight into the world of work.
- Explore post-secondary programs related to career interest.
- Completion of 90-100 hours of work experience.
- Receive references and possible part-time or full-time employment
- Receive advanced placement / preferred entry / early admittance into certain post-secondary programs.
- Work placements assisted by school and the Vancouver School Board Career Programs staff.

SECONDARY SCHOOL APPRENTICESHIP

YOUTH WORK IN TRADES

- Earn up to 16 credits toward high school graduation.
- May begin in Grade 10 if certain requirements are met.
- Receive dual credit for high school graduation and first year Apprenticeship training.
- Accepted applicants continue to attend regular high school classes and work as a registered apprentice on a part-time basis.
- For students who plan to undertake technical training after high school graduation.
- There are a number of apprentice able careers. For more information, see Ms. Yee in room 317, your counsellor, or Wendy Gilmour (604) 713-4470.

Benefits:

- Paid employment while you learn.
- Begin a career while still in secondary school.
- Obtain workplace-based training in an apprentice able trade.
- Develop maturity in an adult-based program and environment.
- Successful Youth Work In Trades candidates receive a minimum of 480 hours of work towards their first year of a provincial apprenticeship program.

- Graduates who achieve a C+ average and complete a minimum of 480 hours of work toward the first year of provincial apprenticeship program are eligible for a \$1,000 scholarship to continue with their technical training.
- Youth Work In Trades graduates who hold passports to education credits are able to redeem their stamps for cash if they continue with their apprenticeship after graduation.

DISTRICT CAREER PROGRAMS

YOUTH TRAIN IN TRADES

The Vancouver School Board offers district programs for students to pursue industry certification or the foundation level of a trade program. These programs save time and money and offer a huge jump start for students who are also working towards high school graduation. The benefits include:

- Dual credit with post-secondary institution (most programs)
- Head start with Foundation program training
- Registration with the Industry Training Authority (ITA)
- Potential direct lead into an apprenticeship
- Work experience in the trade

For more information and an application form, please visit the VSB Career Programs website:

go.vsb.bc.ca/schools/careerprograms - links to Youth Train In Trades, a pdf brochure for each program, and the application package. Also visit the Industry Training Authority website: www.itabc.ca. All students *applying* for Youth Train In Trades, programs should register at their home school with a full course load. Schools will be asked to modify a student's timetable if the student is accepted into a Youth Train In Trades program. Certification: successful completion of program will lead either to Level 1 technical training credit or a Certificate of Qualification from the Industry Training Authority.

Program	Where the program is taught	Credits towards graduation program	Timetable	Application Due	Month program begins
Auto Refinishing Preparation	VCC	20 credits	Monday - Thursday 8:00 am - 3:00 pm	Mid November	February
Auto Collision Repair Technician	VCC	28 credits	Monday - Thursday 8:00 am - 3:00 pm	Early March	September
Auto Service Technician	Britannia	16 credits	Day 2	Early March	September
Baking and Pastry Arts	VCC	24 credits	Monday - Thursday 1:00 pm - 7:15 pm	Early November	August
Hairdressing		28 credits	7 blocks in Grade 12 + English 12	Early March	September
Carpentry	Coquitlam SD	20 credits	February - June Monday - Friday	Early March	February
	BCIT	16 credits	Semester 2		

Sir Winston Churchill Secondary School 2020/2021 Course Outline Book

Cook	Sir Charles Tupper (priority to SCT students)	16 credits	Day 2	Early March	September
Cook	David Thompson	16 credits	Day 2	Early March	September
Plumbing	Piping Industry College of BC	4 credits	Mid-June to late July	Early March	June
Piping	North Vancouver Squamish First Nations (KPU)	20 credits	February - August Monday - Friday	Early March	February
Painting	Finishing Trades Institute of BC	4 credits	Mid-June to late July	Early March	June
** Millwright	BCIT	20 credits	Monday - Friday	Early March	February
** Motorcycle & Power Equipment	BCIT	20 credits	Monday - Friday	Early March	February
** Metal Fabrication	BCIT	20 credits	Monday - Friday	September	February

** Limited spots available – must contact Wendy Gilmour in the school year prior to program

YOUTH WORK IN TRADES

Students with the skills and connections can start an apprenticeship in high school. Students who are already working in an apprentice able trade can formalize the apprenticeship relationship with their employer. There are 4 courses (16 credits) available to these students when they have a formal ITA agreement arranged through Wendy Gilmour, Apprenticeship Facilitator 604-713-4470. Information and application forms are available on the VSB website: go.vsb.bc.ca/schools/careerprograms/ → Our Programs → Youth Work In Trades

Tupper Tech - Skilled Trades Program at Sir Charles Tupper Secondary

A program for students who are not sure which trade is right for them.

- Day 2 / Grade 12 program
- Remain registered @ home school Day 1 for academics
- 24 graduation credits

For more information on Tupper's program, contact Ms. Siu Ma (ssma@vsb.bc.ca) or visit our Program website: go.vsb.bc.ca/schools/careerprograms/ → Our Programs → Tupper Tech

Trades Discovery (Grade 12 or 12+)

A hands-on program through BCIT that gives students an overview in approximately 15 different trades including metal fabrication, welding, framing, and electrical.

- 16 weeks – February to June
- Monday to Friday, 7:00 am – 1:00 pm
- 12 graduation credits, if needed

For more information on the Trades Discovery program, contact Wendy Gilmour (wgilmour@vsb.bc.ca).

Other DUAL CREDIT programs:

IT and CISCO Networking Program

Students will diversify and enhance their computer knowledge by building a computer, installing software and connecting the computer to networks and to the internet.

- Grade 12
- Day 2
- Killarney Secondary
- One-year cohort program
- Hands-on, laboratory courses
- Prepare for industry-recognized certification
- Receive advanced placement at BCIT

For additional information, an application can be found on the VSB Career Programs website at:

go.vsb.bc.ca/schools/careerprograms/ → Our Programs → CISCO

Healthcare Assistant

Students will prepare to work as front-line caregivers in home support, adult day care, assisted living, and complex care (including special care units).

- 28 weeks (September to March)
- 28 graduation credits
- Vancouver Community College

For additional information, an application can be found on the VSB Career Programs website at:

go.vsb.bc.ca/schools/careerprograms/ → Our Programs → Healthcare Assistant

Fashion Design and Technology

Students will enhance their construction skills; study history of costume, fashion merchandising; practice tailoring techniques and pattern drafting. Basic computer assisted design and fashion illustration will be practiced. In year 2, students will complete the graduation collection and portfolio needed for post-secondary entrance. Students may have the opportunity to participate in dual credit opportunities with a Fashion Design Program at a local post-secondary institute.

- Two-year cohort program: grade 11 & 12
- Day 2
- Eric Hamber Secondary

For additional information, an application can be found on the VSB Career Programs website at:

go.vsb.bc.ca/schools/careerprograms/ → Our Programs → Fashion Design & Technology



Vancouver School Board Adult Education

The Vancouver Board of Education operates two Adult Education (AE) centres in Vancouver: South Hill Education Centre and the Gathering Place Education Centre. AE centres provide students with a wide array of flexible and student-centred learning opportunities that range from the basic literacy level (Ministry Foundations courses, Levels 1-7) to high school completion. The Foundations courses help students develop or strengthen specific core skills needed for Grade 10/11/12 courses and senior academic credits lead to high school completion or allow students to gain or upgrade Grade 10/11/12 credits. All courses, both Foundations and Grade 10/11/12, follow prescribed Ministry curriculum. Adult Education also runs one Foundations level outreach program at Britannia Secondary in partnership with Canuck Family Education Centre, and one senior academic credit youth program at South Hill Education Centre.

To meet student needs for flexible programming, centres offer courses from early morning to evening, including Saturdays and operate year-round:

- Quarter system (9 week terms; beginning 4 times a year: Sept, Nov, Feb, Apr)
- Semester (18 week terms; beginning 2 times a year: Sept and Feb)
- Summer term (5 week term)

Depending on student needs, AE Centres provide a variety of course formats which may include:

- Self-paced courses (blended paper-based instruction with face-to-face assistance) from Foundations to Grade 10-12 courses – Gathering Place and South Hill Education Centre
- Structured courses at the Foundations and Grade 10/11/12 levels – South Hill Education Centre

Students at our AE centres reflect the diversity of language and cultural backgrounds in Vancouver and range in age from 16 to seniors. Each of the Centres responds to the specific needs of its community and program offerings reflect student course requests and enrollment patterns.

Please note that students attending adult centres must be 16 years old (on July 1 of the current school year) and follow MOE course concurrency rules to be eligible for Ministry funding.

Adult Education Centres in Vancouver

- Gathering Place Education Centre
- Tel: (604) 257-3849 <http://go.vsb.bc.ca/schools/adulted>
- South Hill Education Centre
- Tel: (604) 713-5770 <http://go.vsb.bc.ca/schools/adulted>



The Vancouver Learning Network is designed to provide opportunities for students to complete secondary school courses in a flexible manner. The program provides a comprehensive selection of quality secondary courses that are delivered largely through asynchronous and self-paced approaches. These courses may replace those in the student's local school, be in addition to their school program, or be a program of full-time studies at VLN.

Course Offerings at the Vancouver Learning Network (VLN)

VLN offers a full program of courses from Grade 8-12. Courses of particular interest to students may be those which the home school cannot offer or timetable:

- | | | |
|------------------|--------------|--------------------|
| • Japanese | • Writing | • Entrepreneurship |
| • Greek | • Literature | • Science Fair |
| • Social Justice | • Civics | • BC First Nations |

A unique course across all subject areas is Independent Directed Studies, a course which allows students to pursue a topic of interest under the mentorship of a teacher and other experts.

Frequently Asked Questions

1. When can I register?

VLN is a 12-month school, with a Fall/Winter session and a Spring/Summer session. Registration can be done throughout the year.

2. Do VLN courses count for graduation and university entrance?

Yes, all courses are accredited by the Ministry of Education, accepted by colleges and universities and are taught by Vancouver teachers.

3. What does it cost?

Courses are tuition-free for all students (except International). Occasionally, students will be required to pay book deposits. These deposits are refundable.

4. How long do I have to finish a course?

Students start and finish at all times of the year. The timeline for completion is determined by student needs. For example, if a student intends to graduate in June, he/she must be finished all coursework and exams in June.

For more information and a complete course list, please visit the VLN website at <http://vln.vsb.bc.ca>