

# **COURSE PLANNING GUIDE 2026-2027**



## **Vancouver Technical Secondary School**

**2600 East Broadway  
Vancouver, BC V5M 1Y5  
Tel: 604-713-8215  
Fax: 604-713-8214**

# **Welcome to VANCOUVER TECHNICAL SECONDARY SCHOOL**

**Principal:**  
Mr. Roberto Moro

**Vice-Principals:**  
Mr. David Cacchioni & Ms. Janet Thompson

**Counsellors:**

Mr. Nick van Iersel	Grade 8
Ms. Leanne Hagglund	Grade 9
Mr. David Waisberg	Grade 10
Ms. Adele Esnault-Oka	Grade 11
Ms. Kaera Ross	Grade 12

## **MISSION STATEMENT**

Vancouver Technical School provides a safe, nurturing and stimulating environment in which students are given the opportunity to develop their intellectual, social, ethnical, aesthetic, physical and emotional intelligence; to respect the individual, embrace diversity and participate in the human community.

## Contents

ENRICHMENT OPPORTUNITIES.....	11
FLEX HUMANITIES PROGRAM DESCRIPTION .....	11
Flex Humanities Classics 8 / History 8 .....	12
Flex Humanities Classics 9 / History 9 .....	12
Flex Humanities Classics 10 / History 10 .....	12
Flex Humanities Film Studies 10 .....	13
HONOURS LIBERAL ARTS WARRANT .....	13
SUMMIT PROGRAM DESCRIPTION .....	14
SUMMIT English 8 .....	15
SUMMIT English 9 .....	15
SUMMIT English 10 (Composition and Literary Studies) .....	15
SUMMIT Mathematics 8, 9 and 10 .....	15
SUMMIT Pre-Calculus 12 .....	15
SUMMIT Science 8, 9 and 10 .....	15
SUMMIT Social Studies 8 .....	16
SUMMIT Social Studies 9 .....	16
SUMMIT Social Studies 10 .....	16
SUMMIT Career Life Connections (CLC) 12 .....	16
ADVANCED PLACEMENT (AP) COURSES .....	16
CHALLENGE, EXTERNAL CREDIT, EQUIVALENCY (EXTERNAL LEARNING).....	17
ENGLISH .....	17
English 8 .....	17
English 9 .....	17
English Language Arts 10 .....	18
Literary Studies 10 (Required) .....	18
Composition 10      PKG--10G (Composition with Literary Studies).....	18
New Media 10      PKG--10H (New Media with Literary Studies).....	18
Creative Writing 10      PKG—10I (Creative Writing with Literary Studies) .....	18
English Language Arts 11 .....	19
Composition 11 .....	19
Creative Writing 11 .....	19
Literary Studies 11 (Understanding Ourselves and the World) .....	19
New Media Film 11 .....	19
English First Peoples (EFP): Literary Studies & Writing 11 .....	19
English 12.....	20
English Studies 12 .....	20

English First Peoples 12	MENFP12 .....	20
AP English Literature & Composition 12	AELC-12 .....	21
Electives (OPEN TO GRADE 11/12 STUDENTS) .....		21
Psychology 11	YPSYC1A .....	21
Psychology 12	YPSYC2A .....	21
Senior English Electives (Open to Grade 12 Students) .....		21
Creative Writing 12	MCTRW12 .....	21
ENGLISH LANGUAGE LEARNERS (ELL) .....		22
Academic Strategies for ELL	XLDCE10ELC .....	22
(mandatory for students in their first year in “Regular” ELA courses) .....		22
ELL English Writing Level 1 & 2	XLDCE10WR1 / XLDCE10WR2 .....	22
ELL English Reading Level 1 & 2	XLDCE10RE1 / XLDCE10R2 .....	22
ELL English Writing Level 3	XLDCE10WR3 .....	22
ELL English Reading Level 3	XLDCE10RE3 .....	22
ELL Social Studies Level 1 & 2	XLDCE10SS1 / XLDCE10SS2 .....	22
ELL Social Studies Level 3	XLDCE10SS3 .....	22
Transitional English XLDCE09ENT (Gr 8/9) OR MLTST-10TRN & MCMPS10TRN (Gr 10-12) .....		23
Transitional Social Studies	XLDCE09SST (Gr 8/9) OR MSS—10TRN (Gr 10-12) ...	23
ELL Transitional Support Block	XLDCE10 .....	23
ELL Post-Transitional Support Block	YESFL0A .....	23
FRENCH IMMERSION .....		24
Français Langue 8	FFRAL08 .....	24
Sciences Naturelles 8	FSCF-08 .....	24
Sciences Humaines 8	FSCHF08 .....	25
Communication 8 and 9	FADRF08 and FADRF09 .....	25
French Immersion Skills 8 / Centre D’Orthopedagogie	XSPBK08 .....	25
Français Langue 9	FFRAL09 .....	25
Sciences Naturelles 9	FSCF-09 .....	25
Sciences Humaines 9	FSCHF09 .....	25
Education a la vie Professionnelle 10	FCLE-10 .....	26
Français Langue 10	FFRAL10 .....	26
Sciences Naturelles 10	FSCF-10 .....	26
Sciences Humaines 10	FSCH-10 .....	26
Français Langue 11	FLCF-11 .....	26
Justice Sociale 12	FSJF-12 .....	27
Histoire du 20è Siecle 12	FWH--12 .....	27
French Immersion 12 / Francais Langue Seconde-Immersion 12	FFRAL12 .....	27

French Immersion Peer Tutoring 11	YFIPS1A .....	27
Études Autochtones Contemporaines 12	FINST12 .....	27
MODERN LANGUAGES .....		28
FRENCH .....		28
French 8	MFR--08 .....	28
French 9	MFR--09 .....	28
French 10	MFR--10 .....	28
French 11	MFR--11 .....	28
French 12	MFR--12 .....	28
MANDARIN .....		28
Mandarin 9	MMAN-09 .....	28
Mandarin 10	MMAN-10 .....	29
Introductory Mandarin 11	MBMAN11 .....	29
Mandarin 11	MMAN-11 .....	29
Mandarin 12	MMAN-12 .....	29
SPANISH .....		29
Spanish 9	MSP--09 .....	29
Spanish 10	MSP--10 .....	29
Introductory Spanish 11	MBSP-11 .....	29
Spanish 11	MSP--11 .....	29
Spanish 12	MSP--12 .....	30
MATHEMATICS .....		31
GRADES 8 and 9 .....		32
Mathematics 8	MMA--08 .....	32
Mathematics 9	MMA--09 .....	32
GRADE 10 .....		32
Workplace Mathematics 10	MWPM-10 .....	32
Foundations of Mathematics and Pre-Calculus 10	MFMP-10 .....	32
GRADE 11 .....		32
Workplace Mathematics 11	MWPM-11 .....	32
Foundations of Mathematics 11	MFOM-11 .....	32
Pre-Calculus 11	MPREC11 .....	33
Computer Science 11	MMACS11 .....	33
GRADE 12 .....		33
Apprenticeship and Workplace Mathematics 12	MAPPR12 .....	33
Foundations of Mathematics 12	MFOM-12 .....	33
Pre-Calculus 12	MPREC12 .....	33

Calculus 12	MCALC12 .....	33
AP Calculus 12	ACAL-12 .....	34
Statistics 12	MSTAT12.....	34
AP Statistics 12	ASTA-12 .....	34
Computer Science 12	MMACS12 .....	34
SCIENCES.....		35
GRADE 8 to 10	MSC--08, MSC--09, MSC--10.....	35
GRADE 11.....		35
Biology 11: Life Sciences	MLFSC11 .....	35
Chemistry 11	MCH--11.....	35
Physics 11	MPH--11.....	35
Science for Citizens 11	MSCCT11.....	36
GRADE 12.....		36
Biology 12: Anatomy and Physiology	MATPH12.....	36
Chemistry 12	MCH--12.....	36
Physics 12	MPH--12.....	36
AP Biology 12	ABIO-12.....	36
SOCIAL STUDIES .....		37
Social Studies 8	MSS--08.....	37
Social Studies 9	MSS--09.....	37
Social Studies 10	MSS--10.....	37
GRADE 11 & 12 .....		37
Asian Studies 12	MASIA12 .....	37
BC First Peoples 12	MBCFP12 .....	37
Comparative Cultures 12	MCMCL12 .....	38
Contemporary Indigenous Studies 12	MINST12 .....	38
African Descent History in British Columbia 12 (VSB District Course)	YSSC-2A .....	38
Economic Theory 12	MECT-12 .....	38
History 12	MWH--12 .....	39
Law Studies 12	MLTST-12 .....	39
Philosophy 12	MPHIL12 .....	39
Social Justice 12	MSJ--12 .....	40
Queer & Trans History of BC 12 (VSB District Course)	YSSC-2B .....	40
Political Studies 12: Politics, Strategy, Technology, and Conflict	MPLST12.....	40
APPLIED DESIGN, SKILLS, AND TECHNOLOGIES (ADST) .....		41
BUSINESS EDUCATION .....		41
Business Ed 8	ADST8-08.....	41

Business Ed 9: Entrepreneurship & Marketing 9	MADDEM09 .....	41
Retail Business 10-12	YBMO-2C.....	41
Accounting 11	MAC-11 .....	41
Marketing 11: Retail	MMAP-11.....	41
Accounting 12	MAC-12.....	42
Marketing 12: E-Commerce	MECOM12.....	42
Entrepreneurship 12	MENT-12 .....	42
Economics 12	ECON-12.....	42
INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT) .....		43
Computer Studies 9 & 10	MADIT09, MCSTU10 .....	43
Computer Programming 11 and 12	MCMPR11, MCMPR12 .....	43
Game Design 11 & 12	MCINF11, MDMD12.....	43
HOME ECONOMICS AND CULINARY ARTS .....		44
Textiles	MADT-08, MADT-09,MTXT-10,MTXT-11,MTXT-12, MFIND12.....	44
Foods 9 — 12	MADFS09, MFOOD10, MFOOD11, MFOOD12.....	44
Culinary Arts 10, 11 & 12	MCUL-10, MCUL-11, MCUL-12 .....	45
TECHNOLOGY EDUCATION .....		45
AUTOMOTIVE .....		45
Power Technology 9 (SEMESTERED)	MADPT-09.....	45
Power Technology 10	MTPOW10 .....	45
Automotive Technology 11	MTAUT11 .....	45
Automotive Technology 12	MTAUT12.....	46
Automotive Technology 12 (Engine and Drive Train)	MTEAD12 .....	46
GRAPHIC & ARCHITECTURE DESIGN .....		46
Architecture and Design	.....	46
Graphics/Media Design 9-12	.....	46
Graphic Production 11/12 (Yearbook)	MGRPR11, MGRPR12.....	47
METALWORK .....		47
Metal Fabrication & Jewelry	.....	47
ROBOTICS & ENGINEERING .....		48
Robotics, Electronics & Engineering 9,10,11,12	MADER09, MSTX-OAC01, MENR-11, MENR-12.....	48
WOODWORK .....		49
Woodwork 9 (Semester)	MADW-08 .....	49
Woodwork 10	MWWK-10 .....	49
Woodwork 11	MWWK-11 .....	49
Woodwork 12	MWWK-12 .....	49
Woodwork 12 (Furniture and Cabinetry)	MTFAC12 .....	49

PHYSICAL & HEALTH EDUCATION .....	50
Physical & Health Education 8	MPHE-08 .....50
Physical & Health Education 9	MPHE-09 .....50
Physical & Health Education 10	MPHED10.....50
Active Living 11 and 12	MACLV11, MACLV12.....50
Active Living 11 and 12 (Girls)	MACLV11G--, MACLV12G--.....51
Fitness and Conditioning: Soccer 11 and 12	MTFCD11SC1, MFTCD12SC1.....51
Fitness and Conditioning 11 and 12	MFTCD11, MFTCD12.....51
Outdoor Education 11/12	MODED11, MODED12 .....51
Yoga and Well-Being 11 and 12	YLRA-1A, YLRA-2A .....52
Leadership 11/12 (Off-Timetable/Full Year)	YHRA-1A, YHRA-2A .....52
Athlete Development 11/12: Volleyball	YLRA-1B / YLRA-2B.....52
ARTS EDUCATION .....	52
VISUAL ARTS .....	52
Fine Arts 8 – Visual Art	MVA—08 .....52
Visual Art 9 – General Art (Half-Semester)	MVA—09 .....53
Visual Art 9 — Ceramics & Sculpture (Half-Semester)	MVA—09CR1 .....53
Visual Art: Art Studio 10	MVAST10 .....53
Visual Arts 10: Drawing & Painting	MVAD-10 .....53
Visual Art 3D 10 (Ceramics & Sculpture)	MVAC-10.....53
Art Studio 11	MVAST11 .....53
Studio Arts 11 (Ceramics & Sculpture)	MVAC-11.....54
Studio Arts 2D 11 (Drawing & Painting)	MVAD-11 .....54
Art Studio 12	MVAST12 .....54
Studio Arts 2D 12 (Drawing & Painting)	MVAD-12 .....54
Studio Arts 12 (Ceramics & Sculpture)	MVAC -12.....54
First People’s Visual Art 12 (Art Forms)	FPVA-12 .....55
PHOTOGRAPHY .....	55
Photography 11	MVAPH11.....55
Photography 12	MVAPH12.....55
ADVANCED PLACEMENT ART AND DESIGN .....	56
AP Drawing	ASAD-12 .....56
AP 2D Design Portfolio: Photography 12	A2DP-12 .....56
VISUAL ARTS: FILM/VIDEO PRODUCTION.....	56
Video Production 10	MVAM-10 .....56
Video Production 11	MVAMT11.....56
Video Production 12	MVAMT12.....56



DRAMA / THEATRE .....	57
Drama 8	MDR-08 .....57
Drama Theatre 8	MVA-08C01 .....57
Drama 9 (Half-Semester)	MDR-09 .....57
Theatre Company 9 (Half-Semester)	MDR-09C01 .....57
Drama 10	MDRM-10 .....58
Theatre Company 10	MDRTC10 .....58
Drama 11	MDRM-11 .....58
Theatre Production 11	MDRTP11 .....58
Directing and Scriptwriting 11	MDRDS11 .....58
Theatre Company 11/12	MDRTC11, MDRTC12 .....58
Drama 12	MDRM-12 .....59
Theatre Production 12: Technical Theatre	MDRTP12 .....59
Directing and Scriptwriting 12	MDRDS12 .....59
MUSIC .....	59
BAND.....	59
Band 8 / Band 9 (Beginner Band)	MMU-08BA1, MMU-09BA1 .....59
Band 8 / Band 9 (Intermediate Band)	MMU-08BA3, MMU-09BA3 .....59
Band 10 — 12 (Senior Concert Band)	MMUCB10, MIMCB11, MIMCB12.....60
Jazz Band 10 – 12	MMUJB10, MIMJB11, MIMJB12 .....60
STRINGS .....	60
Beginning Strings 8-11 (Off Timetable)	MMU-08ST1, MMU-09ST1.....60
Strings 8 / 9 (Intermediate Strings) (Off Timetable)	MMU-08ST3, MMU-09ST3.....60
Strings 10-12 (Senior Orchestra) (Off Timetable)	MMUOR10, MMUOR11, MMUOR12.....60
CHOIR.....	61
Choir 8-12 (Concert Choir) (Off Timetable)	.....61
Chamber Choir 10-12 (Off Timetable)	MMUVJ10, MMUCH11, MMUCH12 .....61
Vocal Jazz (Off Timetable)	.....61
CAREER EDUCATION .....	62
Career Education 8	MCE-08 .....62
Career Education 9	MCE-09 .....62
Career Life Education (CLE) 10	MCLE-10.....62
Career Life Education (CLE) 10 (Off Timetable)	MCLE-10C01.....62
Career Life Connections (CLC) 12	MCLC-12 .....62
Career Life Connections 12 (CLC) (Off Timetable)	MCLC-12C01 .....62
COURSES FOR STUDENT SUPPORT .....	63
Peer Tutoring 12	YIPS-2B.....63

Community Service 11 & 12	YCPM-1D .....	63
Library Services 11	YCPM-1DDA .....	63
Library Studies 11	YBMO-1B.....	63
Mental Health Leadership 10-12 (Off-Timetable)	YPA—0A.....	63
WORK EXPERIENCE PROGRAMS .....		64
VANCOUVER DISTRICT PROGRAMS .....		65
Youth TRAIN in Trades Programs:.....		66
Youth WORK in Trades - Apprenticeship .....		67
Youth EXPLORE Trades Sampler .....		67
DUAL CREDIT PROGRAMS.....		68
Architectural & Structural CADD and Graphics Technician .....		68
Early Childhood Educator .....		68
Emergency Medical Responder .....		68
Headstart-in-Art .....		69
Healthcare Assistant .....		69
Medical Laboratory Assistant .....		69
Pharmacy Technician .....		69
SCHOOL-BASED PROGRAMS.....		70
IT and CISCO Networking Program – Killarney Secondary .....		70
GRADE 8 & 9 PROGRAM REQUIREMENTS .....		70
Grade 8 .....		70
Grade 9 .....		70
GRADUATION PROGRAM REQUIREMENTS.....		71
For Students in Grades 10-12 .....		71
POST SECONDARY ADMISSION REQUIREMENTS .....		72
Post Secondary References .....		72
Career Planning and Labour Market Information.....		72
Scholarships, Loans and Bursaries Information .....		73
Public Colleges & Universities in B.C. ....		73
COURSE CODES .....		75

# ENRICHMENT OPPORTUNITIES

Vancouver Technical offers students many opportunities for academic enrichment. At the Grade 8-10 level, these include the **Summit** District Program, which offers enriched curriculum in English, Social Studies, Mathematics and Science to the students at each level; and the **Flex Humanities** District Program, which emphasizes a Liberal Arts focus in a stimulating and supportive environment. Both programs also offer students a variety of field studies.

The Grade 8-12 **French Immersion Program**, which currently enrolls 175 students, enables elementary Immersion students to continue to develop their language skills in both English and French. Graduates of this program receive a bilingual certificate.

In Grades 11 and 12, students may pursue an enriched program culminating in university level Advanced Placement (AP) examinations in Biology, English, Statistics, Calculus, and Art. For more information on any of these programs, contact the Counselling Department.

## FLEX HUMANITIES PROGRAM DESCRIPTION

Students in this program will study integrated curricula of Humanities and Fine Arts in a supportive, stimulating, and challenging environment. Flex Humanities is a grade 8 – 12 Mini-School focussing on Philosophy, World Literature, History, Fine Arts, Film and Media Studies, and Interactive Arts and Technology Design.

### Program Structure:

- ◆ History 8 – 10 is an enriched study of the human condition from ancient times to the 20th Century
- ◆ Fine Arts includes Drama, Media, and Film Studies.
- ◆ Classics 8-10 studies World Literature and Philosophy from Ancient World to the 21st century.
- ◆ IAT combines the science of human experience, the analysis of media and culture, the creation of original and experimental works of art, and the implementation of new technologies.

The degree of integration will vary over time and subject. Analytical and logical language skills will be developed to examine philosophical/intellectual ideas. Students will have the opportunity to make literate and relevant connections between philosophy, literature and contemporary existence; making sense of how the world is shaped by ideas. The course will provide an opportunity to explore world and classical literature and poetry, develop the necessary writing and reading skills to analyze, transliterate/translate, and create text from epic poetic form, dialogue style, to formal essay structure. The Humanities portion is an integrated study of history, geography, philosophy, and classical literature from Ancient Greece to 19<sup>th</sup> Century Canada. Students are encouraged to intellectually develop their critical thinking skills in a cooperative group setting which emphasizes problem solving, projects, leadership, and social responsibility. The program has been designed for self-motivated students with the ability and desire to take on enriched and challenging curricula.

## FLEX HUMANITIES

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Classics 8 (English)	Classics 9 (English)	Classics 10 (Composition & Literary Studies)	New Media 11 (English)	Philosophy 12 (Social Studies)
History 8 (Social Studies)	History 9 (Social Studies)	History 10 (Social Studies)	Math 11 (Mainstream)	English 12
Interactive Arts & Design 8	Interactive Arts & Design 9	Graphics & Media Design 10	Science 11 (Mainstream)	Career Life Connections 12
Visual Arts 8	Visual Arts 8	Film Studies 10	Elective	Elective
Math 8 (Mainstream)	Math 9 (Mainstream)	Math 10 (Mainstream)	Elective	Elective
Science 8 (Mainstream)	Science 9 (Mainstream)	Science 10 (Mainstream)	Elective	Elective
PHE 8 (Mainstream)	PHE 9 (Mainstream)	CLE 10 (Mainstream)	Elective	Elective
Elective Choice / Language 8	Elective Choice / Language 8	PHE 10 (Mainstream)	Elective	Elective

### Flex Humanities Classics 8 / History 8

**Classics 8** rediscovers and revises the canon of traditional classical Humanities studies. It is a study of philosophy and World classical literature from Ancient World to the 14<sup>th</sup> Century. Emphasis will be placed on engaging primary documents and original writings albeit translated from their original languages if other than English. **History 8** focuses on the historical and geographic contexts of the ancient to late mediaeval world which are integrated as closely as possible with the Classical Studies component. Additional skills development of analysis and interpretation of historical documents, writing, and speaking skills, and geography skills will be encouraged through work with primary documents, texts articles and historical and contemporary mapping.

### Flex Humanities Classics 9 / History 9

**Classics 9** is a study of philosophy and world literature from the 14<sup>th</sup> Century to the 19<sup>th</sup> Century. Emphasis will be placed on engaging primary documents and original writings albeit translated from their original languages if other than English. **History 9** focuses on the historical and geographic contexts of the Europe and North America from the Renaissance Reformation and Enlightenment to early 20<sup>th</sup> Century. It includes an examination of the effects of changes in economic, social, and political philosophies. Additional skills development of analysis and interpretation of historical documents of writing and speaking skills and of geography skills will be encouraged through work with primary documents, texts, articles, and historical and contemporary mapping.

### Flex Humanities Classics 10 / History 10

**Classics 10** is a study of philosophy and world literature in the 19<sup>th</sup> Century and 20<sup>th</sup> Century. Emphasis will be placed on engaging primary documents and original writings albeit translated from their original languages if other than English. **History 10** focuses on the history of Canada and the World in the 20<sup>th</sup> Century. It includes an examination of historical and constitutional change as well as geographical exploration regarding the effects of changing social, political, and economic philosophies in Europe and North America. Additional skills development on analysis and interpretation, writing, speaking and geography will be continued through work with a variety of contemporary and historical materials.

## Flex Humanities Film Studies 10

**Credits:** 4 credits

**Description:** Film Studies 10 is designed for the Flex Humanities Program. The course will be an introduction to film theory, film criticism, film history, and screenplay writing. Students will be exposed to famous and influential films from many different styles, genres, decades, and countries. Students will learn the basic vocabulary of film and learn to look at film from different theoretical perspectives. Students will then learn the basics of screenwriting and write several scripts both individually and collaboratively.

## HONOURS LIBERAL ARTS WARRANT

The Honours Liberal Arts Warrant is intended to certify student achievement in the liberal arts. The Warrant will create an enhanced profile for the English, Social Studies, Modern Languages, and Fine Arts providing recognition along with links to post-secondary institutions and academics. Students, upon structuring a selection of grouped courses and maintaining a B average, will receive an embossed certificate attesting to their achievement. This will be called the “Honours Liberal Arts Warrant.” The students who attain the highest G.P.A. along with completion of a thesis portfolio will be eligible receive the Liberal Arts Honours Scholarship upon graduation.

### Course Requirements:

Column One courses are mandatory. You must select one course from each of the other three columns with one additional course from column 2 or 3. For the Fine Arts Group (any 11 or 12 course)

<b>Column 1 Mandatory Courses</b>	<b>Column 2 Choose 1 or 2</b>	<b>Column 3 Choose 1 or 2</b>	<b>Column 4 Fine Arts – Choose 1</b>
English 12 / AP English 12	AP Literature 12	History 12	Visual Arts
BC First Peoples 12 or Contemporary Indigenous Studies 12	Creative Writing 12	Economic Theory 12	Drama
English 11 or Enriched	New Media 11/12	Political Studies 12	Music
	English First Peoples 12	Law Studies 12	Orchestra
		Genocide Studies 12	Royal Conservatory
		Social Justice 12	CPTV
		African Descent 12	
		Geography 12	
		Comparative Cultures 12	
		Philosophy 12	
		Classics 12	
		Asian Studies 12	

### Thesis Portfolio Requirements:

The thesis portfolio could be completed in an Independent Directed Studies (IDS 12 A/B) block in a grade 11 or 12 semester. The thesis portfolio includes the following components:

#### Extended Research Essay (15-20 pages equivalent)

Thesis to integrate/synthesize 3 courses (e.g. Literature, Music, and History)

Primary Sources & Secondary Sources

Source citation styles your choice (just be consistent)

Recommended citation management tool: Zotero

<https://www.lib.sfu.ca/find/research-tools/citation-software>

**Portfolio Design** will be determined in conversation with Advisor(s)

# SUMMIT PROGRAM DESCRIPTION

Summit is an enriched and accelerated mini-school program. Students must apply through the VSB's DSAP application process during their Grade 7 year for admittance into the Summit program. Students journey through core academic classes (English, Social Studies, Math, and Science) together as a group through the following courses.

- Math provides an opportunity for acceleration so that students may complete Pre-Calculus Math 11 by the end of their Grade 10 year.
- Science provides an opportunity for acceleration so that students will complete Science 10 by the end of their Grade 9 year and will complete Chemistry 11 in their Grade 10 year.
- English and Socials are offered as a cohort in Grades 8 – 10. Courses are taught at an enriched grade level to prepare students for AP and Enriched English and History courses in students' senior years.
- In their Grade 11 year, Summit Students take a common Pre-Calculus 12 course.
- In their Grade 12 year, Summit Students take a common CLC course.
- The material studied and academic demands are higher in all subjects than in regular course work.
- Students must maintain a 73% average in all core subjects to remain in the program.

Summit is an educational environment that provide students with a social and learning network through Grades 8, 9 and 10. The network is supported through cohort classes and a common homeroom. Summit values and encourages community involvement outside of class time and offers students to take part in school clubs such as Key Club and Breakfast Club.

The cost for one year of the program ranges from \$400 to cover Camp Fees and various other field trip costs. There is also a Grade 10 trip with an additional cost.

## SUMMIT

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
English 8	English 9	English 10	Pre-Calculus 12	Career Life Connections 12
Social Studies 8	Social Studies 9	Social Studies 10	English 11	English 12
Math 8 & 9	Math 10: Foundations / Pre-Calculus	Pre-Calculus 11	Social Studies 12	Elective
Science 8 & 9	Science 10	Chemistry 11	Elective	Elective
PHE 8	PHE 9	PHE 10	Elective	Elective
Applied Skills Rotation	Applied Skills Elective Pair	CLE 10	Elective	Elective
Visual Arts Rotation / Band	Visual Arts Elective Pair	Elective	Elective	Elective
Language 8 / Elective	Language 9 / Elective	Elective	Elective	Elective

## SUMMIT English 8

MEN--08DC2

[\(Only confirmed Summit students in program can register for this course\)](#)

The Summit English 8 program is an introduction to Autonomous Learning program. By means of novels, poetry, short stories, drama, and writing experiences, the students are encouraged to begin taking responsibility for their own learning. Social skills are developed and enhanced to facilitate group learning skills. Students are encouraged to become learners rather than just students, and assignments and activities in the course are designed with that goal in mind. This course enriches the English curriculum through in depth studies based on the Advanced Placement vertical teams approach.

## SUMMIT English 9

MEN--09DC2

[\(Only confirmed Summit students in program can register for this course\)](#)

The Summit English 9 program continues the development started in Grade 8. Using the English curriculum and enriched activities, higher level thinking skills are integrated, reinforced, and demonstrated in the learning process. Students become increasingly actively involved in their learning, and through community involvement, learning and questioning techniques, and peer interaction, students are encouraged to develop new and unique products. This course enriches the English curriculum through in depth studies based on the Advanced Placement vertical teams approach.

## SUMMIT English 10 (Composition and Literary Studies)

MLTST10DC2

[\(Only confirmed Summit students in program can register for this course\)](#)

The Summit English 10 program further extends the goals of Grades 8 and 9. By this point, autonomous, self-directed study should be ingrained in the learner. Students will use varied resources in the development of in-depth studies. Content topics are broad-based, with emphasis on major themes, problems, issues and ideas. Students should leave the Summit English program as capable learners and communicators. Students final essay and presentation will be worth 20% of their overall mark in this course. This course enriches the English curriculum through in depth studies based on the Advanced Placement vertical teams approach.

## SUMMIT Mathematics 8, 9 and 10

MMA--09DC2/MFMP-10DC2/MPREC11DC2

[\(Only confirmed Summit students in program can register for this course\)](#)

These courses are only available to students in the Summit program. Over the three years, students will cover the topics in Math 8, Math 9, Foundations and Pre-Calculus 10 and Pre-Calculus 11. In addition, students will have opportunities to take part in math contests, group work and enrichment material.

## SUMMIT Pre-Calculus 12

MPREC12DC2

[\(Only confirmed Summit students in program can register for this course\)](#)

This course is offered to Summit students during their Grade 11 year to complete the same requirements of Pre-Calculus 12 at an enriched level.

## SUMMIT Science 8, 9 and 10

MSC--09DC2/MS--10DC2/MCH--11DC2

[\(Only confirmed Summit students in program can register for this course\)](#)

The Summit Science program will take the concepts noted above and condense them into two years of study. In the grade 10 year, students will complete Chemistry 11, Students are required to have a scientific calculator.

## SUMMIT Social Studies 8

MSS--08DC2

(Only confirmed Summit students in program can register for this course)

Summit SS8 will focus on the skills to become a lifelong learner. Students will follow the regular grade 8 curriculum, themed around the concept of civilizations. This may include content areas such as world religions, the Middle Ages, the Renaissance, Age of Exploration, and colonization, along with basic historic and current geography. Particular emphasis will be given to the skills of persuasion, assessing bias, cause and effect, and critical thinking, as well as skills in reading text, note-taking, writing, speaking, and presentation will be addressed through project-based learning. A distinct effort will be made to make the student a disciplined self-motivated learner who can set goals and achieve them with little teacher mediation.

## SUMMIT Social Studies 9

MSS--09DC2

(Only confirmed Summit students in program can register for this course)

Summit 9 will continue the focus begun in grade 8 with the grade 9 curriculum. Students will be expected to write several persuasive papers during the year using their own research to enhance the classroom studies. The larger connections or big ideas of history will be studied including revolutions in America, England, France, industry and technology, and Canadian studies from the War of 1812 through Confederation to Louis Riel, the settlement of the West, and the history of our city and province. Once again, the student will be instructed in the skills necessary to become a strong independent learner. Students will have the opportunity to participate in a Human Rights and Holocaust Studies Program over four days in Winnipeg, as well as an excursion to Gastown and Chinatown to discover the roots of our city, and a grade-wide visit to Fort Langley to learn about the fur trade.

## SUMMIT Social Studies 10

MSS--10DC2

(Only confirmed Summit students in program can register for this course)

In the final year of the Summit program in Social Studies, students will cover the curriculum from 1914 to present in Canadian studies and identity, including topics in Canada's inclusion on the world scene as a middle power through WWI, WWII, and the Cold War, the Roaring 20s and the Great Depression, multiculturalism, discrimination, government and politics, and human geography. Students will demonstrate their mastery of the skills learned in the grade 8 and 9 years through presentation, the persuasive essay, role-playing, simulations, and independent and group project work, culminating in a heritage inquiry project.

## SUMMIT Career Life Connections (CLC) 12

MCLC-12DA1

(Only confirmed Summit students in program can register for this course)

This course is offered to Summit students during their Grade 12 year to complete the same requirements of the CLC 12 course and capstone project.

## ADVANCED PLACEMENT (AP) COURSES

Van Tech offers an array of advanced placement (AP) courses. The AP courses are based on a first-year university curriculum and, if the student scores well on the final exam, may offer entry to second year courses or credit for the first year course. As you might expect, the AP courses are more difficult than the regular grade 12 courses. They cover additional material, at a higher level of detail and rigor. There will be a charge of approximately \$140 (subject to change based on US currency exchange rate) if students choose to register for the AP exam which occurs in May. Please see the Vancouver School Board website (<http://www.vsb.bc.ca/apexams>) for current information on the cost of registration for the AP exams.



Currently, Van Tech is able to offer the following AP Courses:

AP Biology	Page 36
AP Calculus	Page 34
AP English Literature	Page 21
AP Statistics	Page 34
AP Art and Design	Page 56

## CHALLENGE, EXTERNAL CREDIT, EQUIVALENCY (EXTERNAL LEARNING)

### **Equivalency**

Recognizes documented learning from outside the BC school system, which the Ministry and/or school districts deem equivalent to the learning outcomes of either a Ministry-Developed, Board/Authority Approved or Locally Developed Grade 10, 11 or 12 courses. Where the Ministry has not assessed credentials from other institutions for equivalency, school boards have the authority to do so. The recommended guideline for determining equivalency is approximately an 80% match of learning outcomes with a Ministry-Developed course. Example: Credit for Cambridge Language Assessments in Punjabi have been reviewed and deemed equivalent to the Ministry-Developed courses Punjabi 11 and Punjabi 12.

### **External Credentials: (Ministry Approved Certificates (MAC)**

The Ministry approves credentials earned in courses, programs, and assessments that are developed outside the BC school system and taken either inside or outside the regular classroom setting. External Credentials are not necessarily equivalent to Ministry-Developed curriculum. Example: Royal Conservatory of Music Certificates.

### **Challenge**

Allows students to receive credit and a percentage mark for a provincially developed Grade 11 or 12 course, offered within a district, through a process of assessing the relevant knowledge and skills they have gained elsewhere. Courses will be normally available for Challenge one year after full implementation of their Integrated Resource Packages (IRP). e.g.: Credit granted through a Mandarin challenge process would provide the school mark and the student must then write the provincial exam (Grade 12).

## ENGLISH

### English 8

MEN--08

The English 8 curriculum focuses on the following “Big Ideas”: Language and text can be a source of creativity and joy; exploring text and story helps us understand ourselves and make connections to others and to the world; developing our understanding of how language works allows us to use it purposefully; purpose, audience, and context guide the author’s choices in the construction of text; language can shape ideas and influence others; people understand texts differently depending on their worldviews and perspectives; and texts are socially, culturally, and historically constructed.

### English 9

MEN--09

Through the English 9 curriculum students will continue to develop their ability to work with story and text, use strategies and processes, and understand language features, structures, and conventions. This content will come to

life through the following “Big Ideas”: Language and text can be a source of creativity and joy; exploring text and story helps us understand ourselves and make connections to others and to the world; developing our understanding of how language works allows us to use it purposefully; purpose, audience, and context guide the author’s choices in the construction of text; language can shape ideas and influence others; people understand texts differently depending on their worldviews and perspectives; and texts are socially, culturally, and historically constructed.



## English Language Arts 10

English Language Arts 10-12 curriculum builds on the knowledge, skills, and understanding that learners have acquired through English Language Arts K-9. In Grades 10, students deepen and extend their English Language Arts learning. The areas of choice (options) enable students to pursue their interests, aspirations, and passions while further developing as English Language Arts learners.

**ALL STUDENTS MUST TAKE LITERARY STUDIES 10 PLUS ONE ADDITIONAL MODULE TO FORM ONE FULL YEAR COURSE (4 CREDITS)**

### Literary Studies 10 (Required)

In this course students will study literature through a thematic approach and may include specific focuses such as world literature, indigenous writing, or genre. Literary Studies 10 is designed to give students a well-rounded foundation in reading, and foregrounds Indigenous texts and ways of understanding as a core aspect of the curriculum. This course allows students to delve more deeply into literature as they explore specific themes, time periods, authors, or areas of the world through literary works in a variety of media. **This is a required module for all GR 10 students.**

### Composition 10

### PKG--10G (Composition with Literary Studies)

Composition 10 is designed to support students in their development of written communication through a critical process of questioning, exploring, and sampling. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. Students will read and study compositions by other writers and consider a variety of styles as models for the development of their writing. Students have opportunities to individually and collaboratively study, create, and write original pieces, exploring audience and purpose. They also develop their craft through processes of drafting, reflecting, and revising.

### New Media 10

### PKG--10H (New Media with Literary Studies)

New Media 10 is a program of studies designed to reflect the changing role of technology in today’s society and the increasing importance of digital media in communicating and exchanging ideas. This course is intended to allow students and educators the flexibility to develop a program of study centred on students’ interests, needs, and abilities, while at the same time allowing for a range of local delivery methods. New Media 10 recognizes that digital literacy is an essential characteristic of the educated citizen. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording opportunities to demonstrate understanding and communicate ideas through a variety of digital and print media.

### Creative Writing 10

### PKG—10I (Creative Writing with Literary Studies)

Creative Writing 10 is designed for students who have an interest in creative expression through language. The course provides students opportunities to build their writing skills through the exploration of identity, memory, and story in a range of genres. Within a supportive community of writers, students will collaborate and develop their skills through writing and design processes. This course is intentionally grounded in the sampling of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, and practise their writing.

# English Language Arts 11

## • STUDENTS MUST TAKE 1 OF THE FOLLOWING COURSES FOR GRADUATION:

**IN EACH OF THE FOLLOWING COURSE OPTIONS, STUDENTS WILL READ NOVELS, WRITE ESSAYS, AND GIVE PRESENTATIONS.**

### Composition 11

MCMCC11

This English Language Arts course is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study compositions by other writers and be exposed to a variety of styles as models for the development of their writing. The course provides opportunities for students to study, create, and write original and authentic pieces for a range of purposes and real-world audiences. They will expand their competencies through processes of drafting, reflecting, and revising to build a body of work that demonstrates expanding breadth, depth, and evidence of writing for a range of situations. They will develop confidence in their abilities as they consolidate their writing craft.

### Creative Writing 11

MCTWR11

This English Language Arts course will present the curricular competencies through the lens of creative writing. Students will have the opportunity to write short stories, short film screenplays, song lyrics and poetry, critical film and literature reviews, and graphic short novels. A wide variety of literature and film will be explored in class.

### Literary Studies 11 (Understanding Ourselves and the World)

MLTST11

This English Language Arts course allows students to delve deeply into a variety of literature from around the world. This course includes 4 thematic units: 1. The Power & Purpose of Storytelling, 2. Culture & Belonging, 3. Point of View & Self Expression, and 4. Ethics & Decision Making. Each unit includes multi-genre content (novels, drama, poetry, short stories, speeches, talks) from a wide range of authors. Students will explore and respond to texts, respectfully exchange ideas and viewpoints, and write for a variety of purposes and audiences.

### New Media Film 11

MNMD-11

This English Language Arts course will present the curricular competencies through the lens of new media. A key component of this course will be an extensive study of International cinema with a focus on narratives about young adults navigating an increasingly complex, challenging, and culturally diverse world. Students with a passion for film will enjoy the wide variety of films studied in class.

### English First Peoples (EFP): Literary Studies & Writing 11

MEFLS11

*This course meets criteria to satisfy the Indigenous graduation requirement.*

EFP 11 builds upon and extends students' previous learning experiences in ELA courses. The course is grounded in the First Peoples Principles of Learning. It is designed for all students, Indigenous and non-Indigenous, who are interested in delving deeply into First Peoples oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices (i.e., historical or contemporary texts created by or with First Peoples). In EFP 12, all students:

- examine texts grounded in a diversity of First Peoples cultures, including local First Nations or Métis communities
- extend their capacity to communicate effectively in a variety of contexts
- think critically and creatively about the uses of language

- deepen their understanding of themselves and others in a changing world
- gain insight into the diverse factors that have shaped and continue to shape their own identities
- appreciate the importance of self-representation through authentic First Peoples text
- contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples
- expand their understandings of what it means to be educated Canadian and global citizens

## English 12

**Students must take one of the following courses for Graduation:**

### English Studies 12

MENST-12

The required English Studies 12 course builds on and extends students' previous learning experiences in ELA 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



### English First Peoples 12

MENFP12

*This course meets criteria to satisfy the Indigenous graduation requirement.*

EFP 12 builds upon and extends students' previous learning experiences in ELA courses. The course is grounded in the First Peoples Principles of Learning. It is designed for all students, Indigenous and non-Indigenous, who are interested in delving deeply into First Peoples oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices (i.e., historical or contemporary texts created by or with First Peoples).

In EFP 12, all students:

- examine texts grounded in a diversity of First Peoples cultures, including local First Nations or Métis communities
- extend their capacity to communicate effectively in a variety of contexts
- think critically and creatively about the uses of language
- deepen their understanding of themselves and others in a changing world
- gain insight into the diverse factors that have shaped and continue to shape their own identities
- appreciate the importance of self-representation through authentic First Peoples text
- contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples
- expand their understandings of what it means to be educated Canadian and global citizens



## AP English Literature & Composition 12

AELC-12

This course is for students who are passionate about reading, writing, and exploring the world of literature, including First People's Literature, through multiple lenses at a college/university level. Students prepare for university level discourse, reading and writing. In AP, students will learn to analyze and interpret imaginative literature through the careful reading and critical analysis of representative works from various genres and periods; explore literary elements such as a work's structure, style and themes, as well as the use of figurative language, imagery, symbolism and tone; develop writing skills as one expresses their ideas and analysis in expository, analytical and argumentative essays. Students who write the May AP exam and receive a level 4 are given English credit for first year university at SFU, UBC, UVIC, colleges in USA and various colleges and universities across Canada. Students must check with post-secondary institutions regarding current credit guidelines. The cost of the AP exam is approximately \$150 (depending on US exchange).

## Electives (OPEN TO GRADE 11/12 STUDENTS)



### Psychology 11

YPSYC1A

This course is for students who are curious to learn more about human emotions, motivation, and behaviour. We will engage with the major fields of study and concepts of psychology including Perspectives, Methods, & Ethics; Brain Biology; Learning & Memory; and States of Consciousness. There is an explicit emphasis on critical thinking related to understanding cognitive biases, challenging pseudoscience, and considering research ethics. Students will be challenged to apply concepts from the field to their own lives and personal experience. Topics are explored through lectures, discussions, speakers, films, research papers, case studies, and articles. Students should possess strong reading and writing skills and a willingness to go deep into topics and take their time exploring!

### Psychology 12

YPSYC2A

This course is for students interested in pursuing Psychology in a post-secondary setting. A passing grade in Psychology 11 is strongly recommended for Psych 12 as it will build upon content learned in that course. Topics covered will include Human Development Across Life Span; Personality; Motivation & Emotion; and Psychological Disorders. Topics are explored through lectures, discussions, speakers, films, research papers, case studies, and peer-reviewed scholarly articles. Assessment will be based on oral presentations, academic research papers, exploratory and assignments. Students should possess strong reading and academic writing skills.



## Senior English Electives (Open to Grade 12 Students)

### Creative Writing 12

MCTRW12

This engaging elective course is for students with a strong interest in a variety of creative writing styles, skills, and applications. The focus will be on writing experimental short prose, traditional and postmodern short stories, song writing and poetry, film screenplay, critical film review, and graphic novel. To enhance the writing process, students will be exposed to influential literature, music, and film from primarily the 21st century. Students with a passion for film will enjoy the array of modern films presented in class.

## ENGLISH LANGUAGE LEARNERS (ELL)

All attempts to place students at the appropriate ELL level is made at the beginning of the year and no movements are made after October.

<b>Level 1</b>	Students have an approximate reading grade equivalent (GE) of <b>0 - 2.5</b>
<b>Level 2</b>	Students have an approximate reading GE of <b>2.5 – 3.5</b>
<b>Level 3</b>	Students must have a writing sample, listening and oral skills at Level 3 matrices or higher or and an approximate reading GE of <b>3.5 – 5.0</b>
<b>Level 4 / Transitional</b>	Students must have a writing sample, listening and oral skills at Level 4 matrices or higher and an approximate reading GE of <b>5.0 – 7.0</b>

### Academic Strategies for ELL

XLDCE10ELC

(mandatory for students in their first year in “Regular” ELA courses)

The course is designed to familiarize and extend a student’s abilities to use various strategies independently in order to meet the Learning Outcomes and be successful in content-based courses such as English, Social Studies and Science. Students will move from **personal writing, to writing for a discipline, and writing for publication**. Other areas of study included each term include style and syntax, composition forms, and oral language work.

### ELL English Writing Level 1 & 2

XLDCE10WR1 / XLDCE10WR2

At this basic level of English, the emphasis is on acquiring vocabulary, and writing simple sentence structures. The focus of the course will be introducing grammar, spelling and vocabulary, the various types of sentences, structures, punctuation and capitalization. Students will also work on writing simple paragraphs, journal writing, and learning how to print / hand write.

### ELL English Reading Level 1 & 2

XLDCE10RE1 / XLDCE10R2

At this basic level of English, the emphasis will be on expanding vocabulary knowledge through reading of short stories and current event articles from The Westcoast Reader and other adapted newspaper resources. The learning of phonetics will serve as a foundation for the development of oral language.

### ELL English Writing Level 3

XLDCE10WR3

Students at this level will continue to learn more advanced grammar along with developing a more extensive vocabulary. The emphasis will be placed on writing more complex sentences and paragraphs and learning more about the writing process and the different writing styles.

### ELL English Reading Level 3

XLDCE10RE3

Students at this level will begin to read more advanced short stories and novels. Current events will be introduced through local newspapers adapted to their level. Oral reading and presentations will be a continued focus.

### ELL Social Studies Level 1 & 2

XLDCE10SS1 / XLDCE10SS2

This course is designed to study English through a Social Studies focus. Canadian geography, basic knowledge of major Canadian cities, Canadian holidays & celebrations, First Nations culture, and the early Pioneer settlers will be covered at this level.

### ELL Social Studies Level 3

XLDCE10SS3

This course is designed to study English through a Social Studies focus. A more in-depth study of Canada will be introduced at this level. The focus will be on Canadian landmarks and their importance on Canadian history, government, industries, and the First Nations people.

### Transitional English

XLDCE09ENT (Gr 8/9) OR MLTST-10TRN & MCMPS10TRN (Gr 10-12)

This course covers advanced grammar and composition, and introduction to short stories, poetry and Shakespeare. Students at this level will be involved with more oral presentations and composition writing. The focus of this course is to prepare students for the regular English program. Students will receive credit for either English 8, English 9, or English Literary Studies and Composition 10, depending on their age/grade level.

### Transitional Social Studies

XLDCE09SST (Gr 8/9) OR MSS—10TRN (Gr 10-12)

This course is designed to study English through the Social Studies content area. The Big Ideas for this course include: Global and regional conflicts have been a powerful force in shaping our contemporary world and identities. The development of political institutions is influenced by economic, social, ideological, and geographic factors. Worldviews lead to different perspectives and ideas about developments in Canadian society. Historical and contemporary injustices challenge the narrative and identity of Canada as an inclusive, multicultural society. Students will receive credit for either Socials 8, Socials 9, or Socials 10 depending on their age/grade level.

### ELL Transitional Support Block

XLDCE10

This course is designed to support students currently in their transitional year before joining mainstream. This class helps students prepare their work for all their classes in mainstream.

### ELL Post-Transitional Support Block

YESFLOA

Students take this course in the year after they complete their Transitional ELL year. This is a credited class that gives students now in mainstream extra support so they can reach their potential now in a more challenging English environment.

# FRENCH IMMERSION

The secondary component of the French Immersion program at Vancouver Technical Secondary provides students from both late and early French Immersion the opportunity to continue their studies in French and to continue the development of higher level thinking and verbal skills in their second language.

Successful graduates of the full program at the end of Grade 12 receive a Bilingual Graduation Certificate in addition to the provincial “Dogwood” certificate.

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Sciences Naturelles 8	Sciences Naturelles 9	Sciences Naturelles 10	Sciences Humaines 11	Français Langue 12
Sciences Humaines 8	Sciences Humaines 9	Sciences Humaines 10	Français langue 11	English 12
Français langue 8	Français Langue 9	Français Langue 10	English 11	CLC 12
Art Dramatique 8	Communication 9	CLE 10	Elective	Elective
Math 8	Math 9	Math 10	Elective	Elective
English 8	English 9	English 10	Elective	Elective
PE 8	PE 9	PE 10	Elective	Elective

## Français Langue 8

FFRAL08

This language course focuses on oral and written expression and reading and listening skills. Four basic verb tenses will be reviewed and new tenses introduced. Vocabulary will be enriched, allowing for more complex communication. This class will be conducted in French and students are expected to communicate only in French. This course is only available to students registered in the French Immersion program.

## Sciences Naturelles 8

FSCF-08

Textbook: Sciences 8 C-B – les Editions de la Cheneliere

Description: Four major units will be explored: cells and life processes, kinetic molecular theory and atomic theory, energy (particle and wave), and plate tectonics. Instruction is in French and students are expected to communicate only in French. This course is the only available option to students registered in the French Immersion program.



## Sciences Humaines 8

FSCHF08

Texts: Les sentiers de la civilization - Les chemins de la civilisation

Description: The curriculum covers political and physical geography of the world, as well as world religions. In history, topics covered include the beginnings of Chinese and of African civilization, the Middle Ages in Western Europe, the history of the Middle East to the Crusades, the Crusades, the Renaissance and the first contact between Europeans and First Nations. This course is taught entirely in French and students are expected to communicate only in French. This course is only available to students registered in the French Immersion program.

## Communication 8 and 9

FADRF08 and FADRF09

Communication 8 and 9 are complementary to Français langue 8 and 9 courses. In the Communication course, emphasis will be put on the oral component of language acquisition, allowing students to master use of expressions, tonality, delivery, and grammatical structure within the spoken context. Students will have the opportunity to develop their orator skills as they learn how to convince and persuade their audience. Through a variety of activities and texts, students will gain exposure to the Francophone world, its culture, stories, and histories as well as present day media implications. Opportunities for students to build bridges between oral storytelling and Indigenous oral history and storytelling, will be encouraged. Potential units include perspective and perception, symbolism and creativity, debates, as well as social media studies. The focus this course is on speaking skills however students will be expected to write original texts in French and apply concepts learned in FRAL 8/9 appropriately. Students will read novels and share understanding in the form of literature circles. This course is a required component of the French Immersion program.

## French Immersion Skills 8 / Centre D'Orthopedagogie

XSPBK08

*Referred: Elementary School Based Teacher*

Increased academic success and development of study, memory, note-taking and test-taking strategies. Small individual instruction given of a tutorial nature. Provides support for all academic courses including those taken in French. This course will replace the Applied Skills 8 elective course. This class will be conducted in French. This course is only available to students registered in the French Immersion program.

## Français Langue 9

FFRAL09

This language course aims at the four basic skills with emphasis placed on grammar, composition, creative writing, and literature. Regular oral participation is stressed. This course is taught entirely in French and students are expected to communicate only in French. This course is only available to students registered in the French Immersion program.

## Sciences Naturelles 9

FSCF-09

Textbook: Sciences 9 C-B – Les Editions de la Cheneliere.

The curriculum covers units on reproduction, characteristics of electricity, the interconnected matter and energy cycles, elements and compounds. Instruction is in French and students are expected to communicate only in French. This course is the only available option to students registered in the French Immersion program.

## Sciences Humaines 9

FSCHF09

Texts: A la croisée des chemins

The curriculum covers the English, American, French and industrial revolutions. The physical and political geography of the Americas. The European explorers and the colonization of New-France. It also covers the origins of the human migration in the Americas and the evolution of Indigenous cultures throughout the continent. This course is taught entirely in French and students are expected to communicate only in French. This course is only available to students registered in the French Immersion program.

## Education a la vie Professionnelle 10

FCLE-10

Career Life Education (CLE) has replaced *Planning 10* —this course is intended to provide a personalized, flexible approach to career and life learning as students determine their next steps, post-graduation. Career Education learning should connect to learning in other curricular areas and interdisciplinary connections should be encouraged for students. This course is a mandatory course for graduation and is prerequisite to the completion of Career Life Connection (CLC) and the Capstone project in Grade 11 and 12. The personal, integrated post-graduation plan and capstone or culminating project will require on-going support for students and this should include multiple teachers, mentors, community and family participation. As reflection is a key learning strategy for students, this competency will require nurturing over time. The culminating project should be presented to an audience to allow students to share and celebrate their learning within their community. This class will be conducted in French and students are expected to communicate only in French. This course is only available to students registered in the French Immersion program.

## Français Langue 10

FFRAL10

This course will continue to refine the students' knowledge of the French language, literature, and culture. Regular oral participation is stressed. The students will be able to recognize and appreciate the role of story, narrative, and oral tradition in expressing First Peoples' perspectives, values, beliefs, and points of view. This course is taught entirely in French and students are expected to communicate only in French. This course is only available to students registered in the French Immersion program.

## Sciences Naturelles 10

FSCF-10

Textbook: Sciences 10 C-B – les Editions de la Cheneliere

Four major units will be explored: genetics, chemistry, energy, and the formation of the universe. Instruction is in French and students are expected to communicate only in French. This course is the only available option to students registered in the French Immersion program.

## Sciences Humaines 10

FSCH-10

Text: HORIZONS : L'ÉMERGENCE DE L'IDENTITÉ CANADIENNE

The curriculum covers: Canada from the conquest to Confederation. It includes BC history, the rebellion of 1837-1837, the Riel rebellion and the making of Confederation. We also cover interpretation of maps and graphics and the geography of Canada. Finally, the emergence of Canada as a nation through World War I and the post-war era and the Great Depression. This course is taught entirely in French and students are expected to communicate only in French. This course is only available to students registered in the French Immersion program.

## Français Langue 11

FLCF-11

The main objective of this course is to fashion the students' French into an increasingly sophisticated tool of communication and thought. Students will read French Literature from different Centuries. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works. They will be able to recognize and understand the role of story, narrative, and oral tradition in expressing First Peoples' perspectives, values, beliefs, and points of view. This course is taught entirely in French and students are expected to communicate only in French. This course is only available to students registered in the French Immersion program.

## Justice Sociale 12

FSJF-12

This course will offer an overview of social, political, and environmental issues that are affecting society. The course is taught using an intersectional lens, focusing on gender, race, class, etc. and how access, power and privilege affects individuals and groups. You will also explore and further your understanding of systems and structures as well as individual and collective action. This course requires students to think critically about themselves and the world around them. Further, much of the work in this course is centered around doing. How can you apply what you are learning in the course in a meaningful way? This will be your challenge and your triumph in social justice 12. Please note this course is run entirely in French.

## Histoire du 20<sup>è</sup> Siecle 12

FWH--12

The **20th Century World History** course proposes to explore the following ideas: Nationalist movements can unite people in common causes or lead to intense conflict between different groups; the rapid development and proliferation of technology in the 20th century led to profound social, economic, and political changes and, the breakdown of long-standing empires created new economic and political systems.

## French Immersion 12 / Francais Langue Seconde-Immersion 12

FFRAL12

French Immersion 12 is a pre-requisite for obtaining a bilingual diploma. The primary aim of this course is to assist students in consolidating and enriching their linguistic competencies and cultural knowledge acquired in previous learning endeavors. Through the examination and comparison of pivotal texts, particularly focusing on philosophical themes and authors, students will analyze and contrast them with contemporary societal issues and challenges. This includes exploring Indigenous beliefs, perspectives, and values. The course will facilitate deeper engagement in critical thinking, enabling students to better understand the significance of storytelling narratives. This course is taught entirely in French.

## French Immersion Peer Tutoring 11

YFIPS1A

**(Open to both grade 11 and 12 FI students)**

This full year course was recently Board Authorized Approved and offers 4 credits to an Immersion student. \*This course will appear on your transcript as a French Immersion credit, but will be very similar to regular Peer Tutoring 11 (assessment will be based on journal entries, good attendance and participation and role-modelling the use of the French language). As a French Immersion peer tutor you will be trained and offer you tutoring skills in the French Immersion Skills class to junior French Immersion students in the 4 Immersion subject areas.

A large component of this course is based on a desire to help others and the ability to be a positive French-speaking role model. French Immersion Peer Tutors will become experts in study and success strategies such as memory skills, note taking, organization, studying methods, time management, etc, and work with younger students either one on one or in small groups.

A prerequisite for this course is successful completion of grade 10 French Immersion courses (a B or higher in French Immersion Language Arts 10 is recommended) and approval by the French Immersion department and/or French Immersion skills teacher. This course is only available to students registered in the French Immersion program.

*\*Please note: this course may be taken in addition to the 2 grade 11 French Immersion courses but cannot replace either French Immersion Language Arts 11 or French Immersion Social Studies 11 for graduation requirements.*

## Études Autochtones Contemporaines 12

FINST12

*This course meets criteria to satisfy the Indigenous graduation requirement.*

What happens when Indigenous communities take back control of their voice? Of their culture? Or their land? In this course, students examine contemporary examples of Indigenous movements of reclamation, repossession, resilience and renaissance throughout Canada and globally, while analyzing historic moments and documents of change.

# MODERN LANGUAGES

Students who already have some basic language skills in one of the offered languages and wish to pursue further studies in that language will be required to write a Placement Test, so they can be enrolled in the appropriate course level. In-school Placement Testing usually occurs in the Spring so that students can make an accurate choice of language level for their course selection for the next school year. Please contact the school for more information.

## FRENCH

### French 8

MFR--08

This is a beginner course with emphasis on communication through common words and useful sentence structures. Students share relevant information about themselves, their school, their interests, and their world.

### French 9

MFR--09

This course continues to focus on communication and expands on the basic elements of French Grammar. Communication skills are expanded. Students' confidence in oral ability increases as they learn to communicate with greater ease about themes relevant to their lives, including telling simple stories and responding to texts.

### French 10

MFR--10

In French 10, language is learned through integration of all aspects of communication: speaking, reading, writing and listening. The activities are active and meaningful and are designed to help students communicate about topics that are drawn from their own experience.

### French 11

MFR—11

This is an intensive course in which students will discover more about themselves and others through oral and written communication. It is for any student interested in learning French for pleasure, continuing the study of the language, and/or improving their preparation for the job market. As an academic class, this course can be used towards university applications.

### French 12

MFR--12

This is a senior course in which students will be required to master many of the finer points of grammar and composition and attain a higher level of oral proficiency to improve their communication skills. As an academic class, this course can be used towards university applications.

## MANDARIN

### Mandarin 9

MMAN-09

An introductory course where students learn **Pinyin** (Mandarin phonetic system), basic strokes, characters, vocabulary, and grammar for everyday conversations. Students develop listening, speaking, reading, and writing skills while gaining insight into Chinese culture, including family values and festivals. The curriculum also explores Chinese, Indigenous, and Canadian cultures and focuses on communication, critical thinking, and personal responsibility.

## Mandarin 10

MMAN-10

A continuation of Mandarin 9. This course expands vocabulary, grammar, and character knowledge while deepening listening, speaking, reading, and writing skills. Cultural topics include Chinese food, arts, and crafts. Students continue exploring Chinese, Indigenous, and Canadian cultures, building competencies in communication, critical thinking, and personal responsibility.

## Introductory Mandarin 11

MBMAN11

Designed for senior students with no prior Mandarin experience. This course introduces Pinyin, basic strokes, characters, vocabulary, grammar, and everyday conversations. The emphasis is on practical communication. Students explore Chinese, Indigenous, and Canadian cultures, focusing on communication, critical thinking, and personal responsibility. This course fulfills SFU language requirements.

## Mandarin 11

MMAN-11

This course builds on Mandarin 9 and 10 or Introductory Mandarin 11, significantly expanding vocabulary, grammar, and character recognition. Students enhance listening, speaking, reading, and writing skills, preparing for more complex communication. Cultural exploration and competencies in communication, critical thinking, and personal responsibility continue. This course fulfills UBC language requirements.

## Mandarin 12

MMAN-12

The final level in the Mandarin series. This course offers advanced vocabulary, grammar, and composition for oral and written fluency. Students refine character recognition and writing skills while tackling more sophisticated language tasks. Cultural exploration and development of communication, critical thinking, and personal responsibility are emphasized. Advanced learners receive additional challenges and opportunities to mentor peers.

# SPANISH

## Spanish 9

MSP--09

Spanish 9 is a first-year course providing the student with a basis for further study in the language by developing each of the language skills: listening comprehension, speaking, reading, and writing. Emphasis is on communication in everyday situations.

## Spanish 10

MSP--10

Spanish 10 builds on the communication skills and culture acquired in Spanish 9, introducing more vocabulary and more complex grammar. The student achieves a higher level of proficiency in oral and written communication. Supplementary readers are used to provide a cultural context to the vocabulary taught.

## Introductory Spanish 11

MBSP-11

Beginning Spanish 11 is an introductory one-year course for senior students who want to sample another language and have not been able to study Spanish 9 in grade 9 or 10. This course may lead to Spanish 11. The emphasis is on everyday communication about students and their world, using basic then more complex grammar and vocabulary. As an academic class, this course can be used towards university applications.

## Spanish 11

MSP--11

In Spanish 11, students communicate about their lives and the world around them, using more complex structures. They are expected to show mastery in oral, aural, reading, and writing skills. Culture is also discussed in class, along with current events. As an academic class, this course can be used towards university applications.

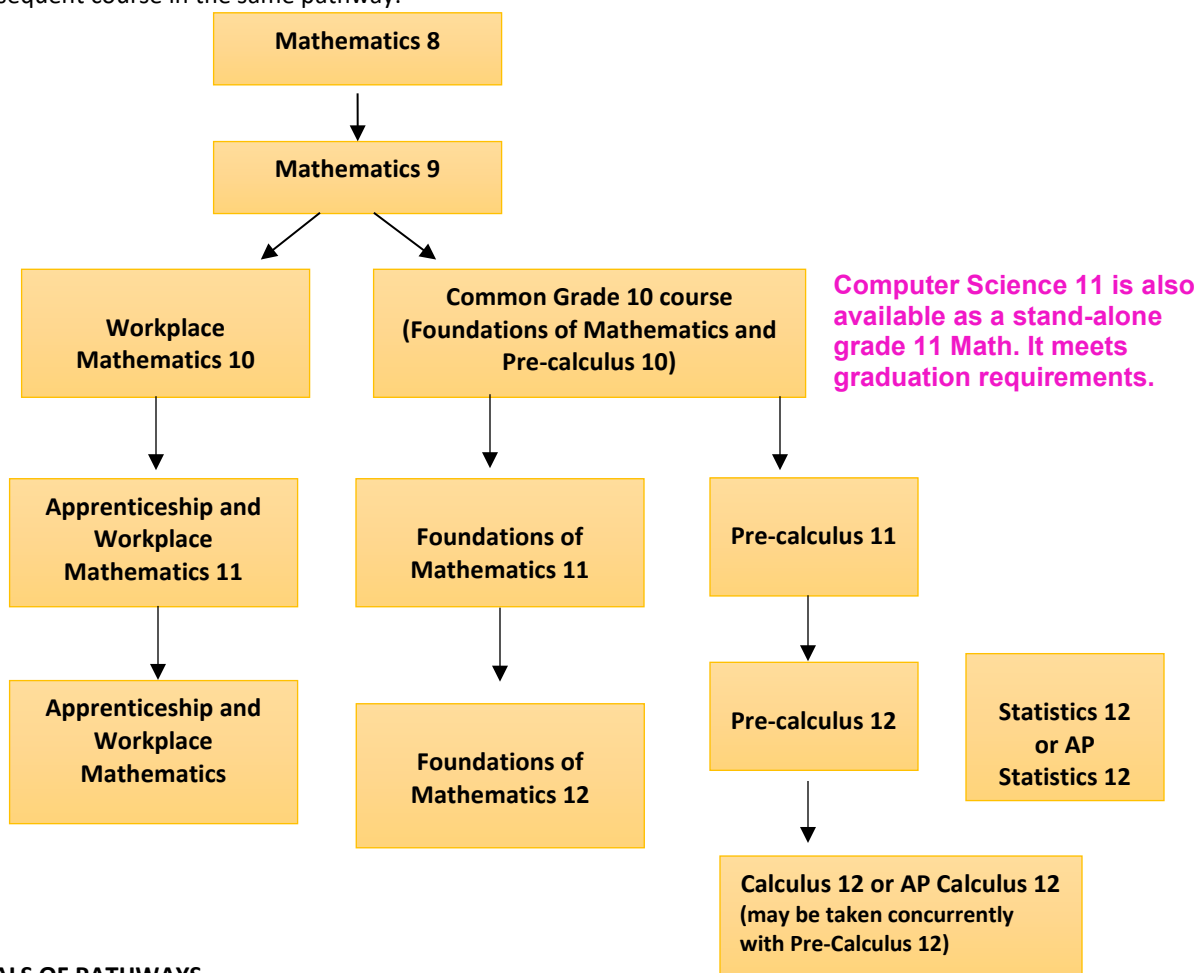
## Spanish 12

MSP--12

Spanish 12 builds on all language elements and language learning skills practiced in Spanish 9 to 11, adding many of the finer points of grammar and composition. It is expected that students will attain a high level of oral proficiency and be willing to take risks to improve their communication skills. As an academic class, this course can be used towards university applications.

# MATHEMATICS

Students graduating in 2013 or later complete a common mathematics curriculum up to end of grade 9. In grade 10, they must choose between two different pathways and in grades 11 and 12 they must choose between three different pathways. The pathways are: Workplace Mathematics, Foundations of Mathematics, and Pre-calculus. A common Grade 10 course (Foundations of Mathematics and Pre-calculus, Grade 10) is the starting point for the Foundations of Mathematics pathway and the Pre-calculus pathway. Each topic area requires that students develop a conceptual knowledge base and skill set that will be useful to whatever pathway they have chosen. The topics covered within a pathway are meant to build upon previous knowledge and to progress from simple to more complex conceptual understandings. In general, a course in a particular pathway only provides suitable preparation for the subsequent course in the same pathway.



## GOALS OF PATHWAYS

The goals of all three pathways are to provide prerequisite attitudes, knowledge, skills and understandings for specific post-secondary programs or direct entry into the work force. All three pathways provide students with mathematical understandings and critical-thinking skills. It is the choice of topics through which those understandings and skills are developed that varies among pathways. When choosing a pathway, students should consider their interests, both current and future. Students, parents and educators are encouraged to research the admission requirements for post-secondary programs of study as they vary by institution and by year.

\*Partially replicated from WNCPC Common Curriculum Framework document 2008:  
<http://www.wncpc.ca/media/38771/math10to12.pdf>

## GRADES 8 and 9

### Mathematics 8

MMA--08

Students will study rational operations, equation solving, graphing, exponents and roots, scientific notation, measurement, financial literacy, probability, and data analysis.

### Mathematics 9

MMA--09

Students will study exponents, operations, factoring, equations, inequalities, similarity, transformations, trigonometry, financial literacy, and probability.

## GRADE 10

### Workplace Mathematics 10

MWPM-10

Workplace mathematics 10 is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include understanding and apply the metric and imperial systems to the measurement of 2-D and 3-D objects, geometry, trigonometry, and the fundamentals of income, spending, and debt. At the end of this course, students are prepared to take Apprenticeship and Workplace Mathematics 11.

### Foundations of Mathematics and Pre-Calculus 10

MFMP-10

Foundations and Pre-Calculus 10 is intended to provide students with mathematical understanding and critical thinking skills identified as beneficial for post-secondary studies in both the arts and the sciences. Topics include surface area and volume of 3-D objects, applying trigonometric ratios to right triangles, irrational numbers, powers involving integral and rational exponents, polynomials, co-ordinate geometry with linear relations, system of linear equations, and function notation. At the end of this course, students are prepared for Apprenticeship and Workplace 11, Foundations of Mathematics 11, and/or Pre-Calculus 11.

## GRADE 11

### Workplace Mathematics 11

MWPM-11

This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into the majority of trades, via a technical college or a trade school, and for direct entry into the workforce. Topics to be studied include measurement, financial concepts, geometry, and trigonometry. This course provides students with the graduation requirement in mathematics.

### Foundations of Mathematics 11

MFOM-11

This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Typically, a student would be planning to enter a college or university in a social sciences, humanities, or fine arts program. Topics to be studied include logic, geometry proofs, linear systems, quadratic functions, and statistics. This course gives students the graduation requirement in mathematics. (There is not a large overlap between this course and Pre-calculus 11; some students may wish to take both courses).



## Pre-Calculus 11

MPREC11

This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary studies in programs that require the study of theoretical calculus. Typically, a student would be planning to enter a college or university in a mathematics, science, engineering, computer science, medicine, or commerce program. The main areas of study are mathematical functions and sequences and trigonometry. This course gives students the graduation requirement in mathematics. (There is not a large overlap between this course and Foundation of Mathematics 11, some students may wish to take both courses).

## Computer Science 11

MMACS11

Computer Science is the study of how computers solve problems. Students will learn to break down complex problems, construct algorithms and program solutions. Students will use computational thinking to solve problems.

# GRADE 12

## Apprenticeship and Workplace Mathematics 12

MAPPR12

This extends the topics covered in *Apprenticeship and Workplace Mathematics 11* and is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into various trades, via a technical college or a trade school, and for direct entry into the workforce. Topics to be studied include measurement, financial concepts, geometry, and trigonometry. Concepts related to the study of probability and statistics are also introduced.

## Foundations of Mathematics 12

MFOM-12

This course extends *Foundations of Mathematics 11* and is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Typically, a student would be planning to enter a college or university in a social sciences, humanities, or fine arts program. Topics to be studied include logic, geometry proofs, linear systems, quadratic functions, and statistics. Because there is not a large overlap between this course and *Pre-calculus 12*, some students may wish to take both courses.

## Pre-Calculus 12

MPREC12

This course extends *Pre-calculus 11* and is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary studies in programs that require the study of theoretical calculus. Typically, a student would be planning to enter a college or university in a mathematics, science, engineering, medicine, or commerce program. The main areas of study are mathematical functions and sequences and trigonometry. This course gives students the graduation requirement in mathematics. Because there is not a large overlap between this course and *Foundations of Mathematics 12*, some students may wish to take both courses.

## Calculus 12

MCALC12

This course prepares students for university calculus. Most of the year will be devoted to differential calculus. Topics include: Functions, Graphs, and Limits, Concept of Derivatives, Derivatives at a Point, Derivative as a function, Second Derivatives, Applications of Derivatives, Computation of Derivatives, and Antiderivatives. Note: Compared to AP Calculus 12, this course is slower paced to allow students more time to master concepts. This course has four fewer chapters of content compared to AP Calculus 12. This course is typically offered in Semester 2.

## AP Calculus 12

ACAL-12

This course prepares students for university calculus. Most of the year will be devoted to differential and integral calculus. Topics include: Functions, Graphs, and Limits, Concept of Derivatives, Derivatives at a Point, Derivative as a function, Second Derivatives, Applications of Derivatives, Computation of Derivatives, Interpretations and Properties of Definite Integrals, Application of Integrals, Fundamental Theorem of Calculus, Techniques of Antidifferentiation, Applications of Antidifferentiation, and Numerical Approximations to Definite Integrals. A graphing calculator is required. Students have the option of taking the College Board administered AP exam in May. Achievement on the exam provides students with the option of obtaining credit or standing in first year courses at most North American universities. There is a fee for this exam. Note: This course is typically offered in Semester 1. Compared to Calculus 12, this course is faster paced and has four additional chapters of content. Completion of Pre-Calculus 12 will be highly recommended prior to taking this course.

## Statistics 12

MSTAT12

Recommended Pre-requisite: Math 11 Foundations or Math 11 Pre-Calculus

Statistics 12 is a non-calculus introductory course in university level statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Please note this is considered a math elective course and cannot be directly used for university admission. A graphing calculator is required.

Note: Compared to AP Statistics 12, this course is slower paced to allow students more time to master concepts. This course has less content compared to AP Statistics 12.

## AP Statistics 12

ASTA-12

Recommended Pre-requisite: Math 11 Foundations or Math 11 Pre-Calculus

AP Statistics 12 is a non-calculus introductory course in university level statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students have the option of taking the College Board administered AP exam in May. Achievement on the exam provides students with the option of obtaining credit or standing in first year courses at most North American universities. (i.e. UBC and SFU give credit towards Stats 200 and Stats 101 respectively). There is a fee for this exam. Please note this is considered a math elective course and cannot be directly used for university admission. A graphing calculator is required.

## Computer Science 12

MMACS12

Computer Science is the study of how computers solve problems. Students will learn algorithms to solve common problems and analyze their efficiency. Students will examine ways of modeling complex problems.

# SCIENCES

## GRADE 8 to 10

MSC--08, MSC--09, MSC--10

The Science 8, Science 9 and Science 10 courses are organized so that the three courses together are an introduction to the major fields of science.

	Science 8	Science 9	Science 10
Course Code	MSC-08	MSC-09	MSC-10
Topics	<ul style="list-style-type: none"> <li>• Cells</li> <li>• Kinetic Molecular Theory and Atomic Theory</li> <li>• Energy Transfer, electromagnetic radiation, and properties of light (optics)</li> <li>• Plate Tectonics</li> </ul>	<ul style="list-style-type: none"> <li>• Cells &amp; Reproduction</li> <li>• Chemical Nature of Atoms</li> <li>• Electricity</li> <li>• Matter &amp; Energy in the Biosphere, Hydrosphere &amp; Atmosphere</li> </ul>	<ul style="list-style-type: none"> <li>• Genetics &amp; the Diversity of Life</li> <li>• Chemical Reactions &amp; Energy of Reactions</li> <li>• Energy Conservation &amp; Transformation</li> <li>• Astronomy (Formation of the Universe)</li> </ul>

**Science 8, 9, and 10** also include the following processes & skills of Science: safety, scientific inquiry, representing and interpreting scientific information, scientific literacy, ethical behavior and cooperative skills, application of scientific principles, and the use of science-related technology. Teachers may provide optional workbooks for a fee of up to \$30.

## GRADE 11

### Biology 11: Life Sciences

MLFSC11

How did humans evolve from fish-like ancestors? Are dinosaurs really extinct? Why do we have pandemics? Life Sciences 11, also known as Biology, is the study of living things. Life Sciences 11 explores the characteristics of living things in general and introduces some of the major fields of Biology, including Evolution, Genetics, Taxonomy (classification of living things), Microbiology (viruses & bacteria), Animal Biology, Plant Biology, and Ecology (interactions between living things). The course includes hands-on labs and dissection activities. Alternate assignments are available for students who do not wish to perform dissections. Major dissections may include earthworm, squid, and/or frog.

### Chemistry 11

MCH--11

Fee: Teachers may provide optional workbooks (up to \$40)

Through laboratory experiments and inquiry-based learning, this course explores the fundamental concepts of chemistry and provides a foundation for students to apply their learning in the field of chemistry. The “Big Ideas” for this course include atoms and molecules, chemical reactions, the mole, solubility and organic chemistry. Students are required to have a scientific calculator. It is strongly recommended that Science 10 and Foundations of Mathematics and Pre-calculus 10 are taken before Chemistry 11.

### Physics 11

MPH--11

Fee: Teachers may provide optional workbooks (up to \$40)

Physics is often called the “key science” because it is concerned with the basic laws of nature. It stimulates the imagination and teaches the student to observe the world with a new sense of wonder and awe. The study of Physics is excellent mental training. Topics studied in the Physics 11 course include: Kinetics, Dynamics, Work, Energy, Power, Electrical Circuits, Waves Motion & Sound Waves. **Students are required to supply their own graph paper, calculator and geometry set.** It is recommended that Precalculus 11 be taken before or be aligned with Physics 11.

## Science for Citizens 11

MSCCT11

Science for Citizens 11 is ideal for students who don't wish to specialize in one particular branch of science and prefer hands-on activities rather than tests or theory. It is a science lab and computer lab-based course that covers units such as Forensics, Health & Nutrition, Natural Disasters, Weather & Climate, Sustainability, Science at Home, and Chemistry in the Workplace. Most activities are designed to be completed in class time. Science for Citizens 11 meets the senior science requirement for graduation and is intended for students who do not wish to pursue science courses beyond the Grade 11 level.

## GRADE 12

### Biology 12: Anatomy and Physiology

MATPH12

This course is designed for anyone interested in the fundamental workings of the human body and combines theory and practice through the use of lab experiments, activities, and dissections. Topics include biomolecules, reactions, genetics, cells, and human physiology. A large portion of this course involves the study of human body systems, including digestive, respiratory, circulatory, reproductive, nervous, and excretory systems. Major dissections may include heart, brain, and/or fetal pig.

### Chemistry 12

MCH--12

Fee: Teachers may provide optional workbooks (up to \$40)

This course builds on students' knowledge and fundamental understanding that they have acquired in Chemistry 11. Through laboratory experiments, and inquiry-based learning, this course extends and refines students' skills for conducting scientific investigations. "Big Ideas" for this course include reaction rate, dynamic equilibrium, saturated solutions, acid or base strength, and oxidation and reduction. ***Students are required to have a scientific calculator.*** It is strongly recommended that Chemistry 11 is taken before Chemistry 12.

### Physics 12

MPH--12

Fee: Teachers may provide optional workbooks (up to \$40)

Topics for the Physics 12 course include: vectors (components and resultants, motion in two dimensions, momentum, and collision problems), universal gravitation, electrostatics, electromagnetism, relativity & quantum mechanics. ***Students are required to have a scientific calculator.***

### AP Biology 12

ABIO-12

Life Sciences 11 and Chemistry 11 strongly recommended.

Fee: There is a fee for the AP exam set by the AP College Board. There is an optional workbook (up to \$40)

AP Biology is a challenging course which requires strong literacy and numeracy skills and excellent work habits. Students in the AP Biology course are required to take AP Biology concurrently (in the same year) with a specific block of Anatomy and Physiology 12 that will be taught by the same teacher. Topics include: Ecology, Evolution & Population Genetics, Plant Physiology, Biochemistry, Cell Biology & Communication, Homeostasis in Living Systems, DNA Replication, and Biotechnology. Students may choose to write the AP Biology exam in May. Depending on their score on the AP Biology Exam, students may receive AP Biology credit, first year credit, or entry to second year university courses. Students are encouraged to check with post-secondary institutions, the AP website, and their counsellor for more information. There is a fee for this exam.

# SOCIAL STUDIES

## Social Studies 8

MSS--08

This course introduces students to world history from the 7<sup>th</sup> century to 1750. Through selected studies, Students are expected to know the following: social, political, and economic systems and structures, including those of at least one indigenous civilization, scientific and technological innovations, philosophical and cultural shifts, interactions and exchanges of resources, ideas, arts, and culture between and among different civilizations, exploration, expansion, and colonization, and changes in population and living standards.

## Social Studies 9

MSS--09

This course introduces students to world history from 1750 to 1919. Through selected studies, Students are expected to know the following: political, social, economic, and technological revolutions, the continuing effects of imperialism and colonialism on indigenous peoples in Canada and around the world, global demographic shifts, including patterns of migration and population growth, nationalism and the development of modern nation-states, including Canada, local, regional, and global conflicts, discriminatory policies, attitudes, and historical wrongs, and physiographic features of Canada and geological processes.

## Social Studies 10

MSS--10

This course introduces students to Canada and World History from 1919 to Present. Through selected studies, Students are expected to know the following: development, structure, and function of Canadian and other political institutions, including First Peoples governance, • political and economic ideologies and the development of public policy, changing conceptions of identity in Canada, Canadian autonomy domestic conflict and co-operation, discriminatory policies and injustices in Canada and the world, such as the Head Tax, the Komagata Maru incident, residential schools, and internments, international conflicts and co-operation, human–environment interaction, economic development and Canada’s role in a global economy, and truth and reconciliation in Canada.

## GRADE 11 & 12



### Asian Studies 12

MASIA12

AS12 focuses on countries in East, South, and Southeast Asia through the lenses of human and physical geography, history, economics, and political science, to aid in the understanding of the diverse cultures and regions within. The self-motivated learner will examine various conflicts and movements that have helped shape Asian identities through the 19<sup>th</sup> to 21<sup>st</sup> centuries, as well as topics such as industrialization, colonialism, imperialism, urbanization, migration patterns, and environmental issues, with field study opportunities to Chinatown and the Dr. Sun Yat Sen Gardens, the Nikkei National Museum and Cultural Centre, as well as a cultural potluck lunch to supplement the course.



### BC First Peoples 12

MBCFP12

*This course meets criteria to satisfy the Indigenous graduation requirement.*

BC First Peoples 12 is open to all Grade 11 and 12 students. This course examines the history and culture of BC’s aboriginal peoples from before the arrival of Europeans to the present day. The course also explores the continuing impact of colonialism, institutional racism, and ethnocentrism, and how First Nations peoples have resisted and adapted to a changing environment. Aboriginal cultural expressions of art, literature and film are another area that will be explored in-depth.



## Comparative Cultures 12

MCMCL12

Unravel the mysteries of the ancient world and explore the diversity of cultures in our world today! Comparative Cultures 12 will help you understand both ancient and modern cultures through art, mythology, politics, and geography.

- Explore the great diversity and complexity of cultural expression, ancient and modern.
- Explore the interactions between different belief systems, social organizations and languages, and how they impact artistic expression.
- Discover how geography and environment influence the development of agriculture and trade.
- Learn how values and belief systems shape social power and authority.

## Contemporary Indigenous Studies 12

MINST12

*This course meets criteria to satisfy the Indigenous graduation requirement.*

Contemporary Indigenous Studies is open to all Grade 11 and 12 students. This course examines the varied identities and worldviews of indigenous peoples and the factors that sustain and challenge those perspectives as well as the resilience and survival of indigenous peoples in the face of colonialism. Historical and modern systemic racism and power structures will be examined closely. Indigenous groups from North and South America, the Pacific Islands, Australia, New Zealand and Mongolia will provide the basis for our exploration of how to restore balance through truth, healing and reconciliation.



## African Descent History in British Columbia 12 (VSB District Course)

YSSC-2A

African-Canadian history is Canadian history. This course will highlight the missing pages of Black history in BC and will provide our diverse community with the tools to examine it within the context of African Descent Canadian History. It will include an overview of the Transatlantic slave trade when Africans were first brought to Canada in the 17<sup>th</sup> and 18<sup>th</sup> centuries. However, the African Descent History course will mainly focus on the Black pioneers in BC, beginning with Sir James Douglas and migration of hundreds of African American families to BC in 1858. This course will also explore their eventual journeys to other parts of Canada, such as the prairies and Newfoundland, focusing on significant historical experiences and the valuable contributions of Black Canadians. Emphasis will also be placed on the complexity and richness of the contemporary Black community in BC.



## Economic Theory 12

MECT-12

Are you curious about how the world works? Why we make choices about scarce resources? How wealth translates to power? If so, Economic Theory 12 is the course for you! This engaging and thought-provoking course dives into one of the most fundamental forces shaping our lives: scarcity. In a world of limited resources, we're constantly faced with decisions about how to allocate them—and that's where economics begins. But economics isn't just about money; it's about critical thinking, problem-solving, and understanding the systems that drive societies.

You'll explore both branches of economics:

- **Microeconomics:** Topics like supply and demand, elasticity, monopolies, and market dynamics.
- **Macroeconomics:** Concepts including banking, money supply, unemployment, international trade, and the philosophical frameworks behind different economic systems.

The course also takes a historical approach, tracing economic thought from Adam Smith to John Maynard Keynes and beyond. You'll analyze competing theories and apply them to real-world challenges, gaining valuable insights into today's global economy.

Why Take This Course? Economic Theory 12 is highly recommended for students interested in Business, Law, Commerce, Political Science, International Relations, or Global Studies. It's also perfect for those who want to understand the forces driving headlines and shaping the modern world.

You'll have the opportunity to:

- Hear from guest speakers, such as representatives from the Fraser Institute and the Canadian Centre for Policy Alternatives.
- Participate in panel discussions and debates on contemporary economic issues and policies.

By the end of this course, you'll not only grasp the principles of economics but also sharpen your ability to think

critically about the world's most pressing challenges. Join us in Economic Theory 12 and start building a foundation for success in university, career, and life!

**This course will run every other school year starting in 2026/2027**



## History 12

MWH--12

If you have a passion for the past or you want to figure out what is going on in today's world from Trump and Russia to Korea or the Syrian Civil war, then History 12 is the course for you.

History 12 explores 20<sup>th</sup> century World History from the Russian Revolution, Mandate System in the Middle East, and the Harlem Renaissance to the fall of the Soviet Empire, end of Apartheid in South Africa, and the continuing civil rights struggles of today. Using film, primary documents, case studies, etc., war, oil, automobiles, music, and social protest are some of the significant topics in the conflict and change of the past century. The course examines the big social, economic, and political trends in the Middle East, Latin America, Europe, Russia, the United States, Africa, and Asia. Students are encouraged to explore their own interests from technology, Latin American Studies, music, to film and literature. Possible field trips may range from visits to the SFU History Department, workshops at the Vancouver Holocaust Education Centre, and a History 12 Hawaii trip. The highlight of this trip is an "encampment" or sleepover on the USS Missouri where the surrender documents were signed that ended World War II. We also hope to organize an annual Human Rights Student Symposium. There is one research essays/projects a term and students select their own topics, formats, and due dates. History 12 is an intense, fun, and challenging course.



## Law Studies 12

MLTST-12

Look around, can you see it? Law is everywhere, and it influences our every move. From mundane seeming traffic lights and food regulation agencies to dastardly criminal enterprise and high-profile corporate scandal, Law Studies seeks to inform our everyday lives by exploring how the law works in Canada.

Join us for an inquiry-based course where learning opportunities are aligned with multiple areas of interest. These areas include how society constructs (and demands) law and order, the interplay between individual freedoms and the government's need to protect society, and the historical significance of Canadian and First Peoples' legal traditions (Charter of Rights and Freedoms along with the Haudenosaunee Great Law of Peace). After, students dive into the social psychology of criminal behaviour and law disputes by using real cases that form discussions, role play, simulated crime scene investigations and mock trials.

In Law Studies, the learning takes on many forms (discussions, learning maps, inquiry projects, debates), and students will have the opportunity to meet in-class guest speakers from a variety of legal fields, which also includes field trips for court watching. Ultimately, Law Studies 12 will enhance student understanding of legal concepts and will provide insight about how the legal system is structured in Canada and BC. Lastly, students should be prepared to demonstrate a senior level of writing, critical thinking and participation in class discussions.



## Philosophy 12

MPHIL12

Are you baffled by existence? Intrigued by questions of right and wrong? You might be interested in questions of justice and law, what exactly is the "self" and why people are self-centred, theories of what reality really might be, or does the mind exist separate from the body. Philosophy 12 introduces students to:

**Morality and Ethics:** the study of right and/or wrong...do we do the right thing because it is the right thing or because it will make other people happy?

**Epistemology:** the study of how we know if something is true or not...is the earth flat or is it a sphere? How do we know?

**Logic:** the study that gives you the tools to tackle all sorts of claims...knowing the difference between a slippery slope and ad hominin attacks.

**Metaphysics:** the study of the nature of reality; whether there exists things that are not physical...can you ride the rim of a black hole or slip into multi-dimensional verses?

**Justice:** how do we determine what is just or not in society...is justice the basis of laws and wealth distribution in our society?

**Mind:** Does the mind exist as a purely physical extension or not? Can Data in Star Trek become a real person



with a thinking mind?

**Self:** what is the self...a figment of my imagination or something really real?

Other philosophical disciplines such as feminist philosophy, Asian and African philosophy, and political philosophy will be explored. The course is dedicated to developing the principal tools of philosophical inquiry: comprehension, analysis, and critical evaluation. We also organize an annual Human Rights Student Symposium. There is also a field trip to the SFU Philosophy Department. Students are invited to explore their own interests; there are two research essays/projects a term and students select their own topics, formats, and due dates. We debate, discuss, argue, and generally have an intense and rewarding ride through the BIG QUESTIONS.



## Social Justice 12

MSJ--12

This course explores how social justice issues and their causes are interconnected, complex and have lasting impacts on society. The way in which individual worldviews shape and inform our understanding of social justice will be a key element of this course. This will not be a course that is only about knowledge and discussion, there will be an aspect of “action” because social justice initiatives can transform individuals and the world in which we live. Content areas will include various theoretical frameworks, interpretations, and concepts of social justice, connections between self-identity and an individual's relationship to others in society, past and present social injustices in Canada and in the world, roles of governmental and non-governmental organizations and finally the processes, methods, individuals, groups, and institutions use to promote social justice. This course is highly recommended for anyone interested in affecting positive change in the world.

## Queer & Trans History of BC 12 (VSB District Course)

YSSC-2B

This year-long course explores how gender identity, expression and sexual orientation diversity have influenced social, economic, and political structures. We will examine past and current issues pertaining to 2SLGBTQIA+ communities locally and beyond. Local presenters and activities will be scheduled throughout the school year. Students will be asked to interpret, analyze, and explain their understanding of the context of different historical articles, arts, and events, and will be asked to complete a capstone inquiry project for a final presentation/celebration in June. Topics include Language & Identity, Expression & Political Shift, and Fostering a New Future, all with the objective of celebrating and deepening our understanding of the rich history of Queer and Trans people in what is now known as British Columbia.

## Political Studies 12: Politics, Strategy, Technology, and Conflict

MPLST12

Explore the evolution of political systems—global, national, and Indigenous—in Political Studies 12. This course examines how conflict, economics, technology, and societal movements have reshaped governance, and civic power throughout history. From wars and revolutions to the rise of human rights and social justice movements, students will investigate how political and non-governmental actors shape the world.

Discover the unique contributions of Indigenous governance systems, their resilience, and their role in shaping political landscapes. Analyze Canada's political structures alongside global systems, and critically examine how individuals and groups—through protests, advocacy, and innovation—drive change beyond traditional government frameworks.

Students in this course can expect to do open-format inquiry projects with a high degree of choice in topic and final format. There will be class discussions and debates. Students will participate in simulations of decision-making systems. When and where available there will be in-person and or virtual guest speakers and fieldtrips.

Engage with complex debates, challenge ideas, and develop the skills to navigate pressing issues like sovereignty, justice, and global interconnectedness. Whether you're passionate about history, politics, or creating a more equitable future, this course offers the tools to understand and influence the power structures that shape our lives. If you have an interest in leadership, social change or just understanding why the powers that be make the choices and take the actions they do, then this course is highly recommended for you.

**This course will run every other school year starting in 2025/2026**



# APPLIED DESIGN, SKILLS, AND TECHNOLOGIES (ADST)

## BUSINESS EDUCATION

### Business Ed 8

ADST8-08

As part of the ADST 8 rotation, all grade 8 students will spend 1/3 of the school year in Business Education 8. The purpose of this course is to give students an introduction to Business Education through opportunities to explore basic business concepts including entrepreneurship and marketing and to develop computer and keyboarding skills.

### Business Ed 9: Entrepreneurship & Marketing 9

MADEM09

This course is an exciting survey course in Business Education. Students will learn the basics of marketing, entrepreneurship, investments, and economics. Emphasis is on hands-on work and participation in class activities. This course is a good intro to business and will help students assess their interest in higher level courses such as Marketing 11 & Accounting 11.

### Retail Business 10-12

YBMO-2C

In this off-timetable course for grades 10-12, students gain hands-on experience managing and running the school store, the Talishop. The school store is a business laboratory allowing students to put business theories into practice in real retail environment. This course is an amalgamation of Marketing 11 / Marketing 12 (Ecommerce 12) / Entrepreneurship 12 / Accounting 12 allowing students to take this course for multiple years and work on different aspects of running a retail business. Students will take turns working lunch shifts in the Talishop in addition to meeting for class off-timetable one morning each week. Learning will include: people management, communications, scheduling, stocking, purchasing, display development, promotions, ecommerce, outreach, business development, sales, new product ideation, cash counts, bookkeeping, and financial reporting.

### Accounting 11

MAC-11

Accounting 11 provides an introduction to how businesses process and maintain financial information based on accounting principles and ethical standards. It provides practical hands-on experience in accounting; students will leave the course with the employable book-keeping skills. This excellent elective is a must for anyone thinking of a career in business and is a great preview to post-secondary accounting courses which are required for most business-related programs. It is also a requirement for a number of accounting-related Work Experience placements.

### Marketing 11: Retail

MMAP-11

Marketing, the art and science of promoting and selling products or services, is fundamental to any business education (or business job!). Marketing helps to understand the customer, build brand equity, master the marketplace, leverage omnichannel strategies into real sales, and dissect consumer behavior. These insights are critical to the success of all businesses. In this course, they will be applied to retailing. The school store (Talishop) will be used as a marketing laboratory, allowing students to put marketing theories into practice in a retail environment. Successful completion of this course is required to become a **Manager for the Talishop**.

## Accounting 12

MAC—12

This course is a continuation of Accounting 11 with a particular emphasis on accounting for different kinds of business and corporate structures, use of accounting systems, and critical financial analysis. This course is a great preview to post-secondary accounting courses and financial business jobs. **Prerequisite:** Accounting 11

## Marketing 12: E-Commerce

MECOM12

Marketing and E-Commerce 12 is an advanced marketing course focused on applying marketing and omnichannel strategies to e-commerce (online promotion and selling) and virtual businesses. The internet plays a huge role in the creation, development, and sustainability of modern business models. Topics include e-commerce business models, digital business strategies, cyber marketing strategies, and legal and ethical issues in e-commerce. As almost all businesses these days have an online presence and an online sales channel, this course is excellent preparation for marketing in today's business world. **Prerequisite:** Marketing 11

## Entrepreneurship 12

MENT-12

This course provides students with the theory and basic skills needed to start and run a business. Beginning with the core concepts of lean entrepreneurship, the course will cover design thinking, resiliency training, marketing, financial projections, Business Model Canvas, case studies and more! A diverse selection of inspiring entrepreneurs and business leaders will visit class throughout the semester to share stories and advice. Local companies and maker labs participate in class so students can experience the world beyond the classroom and explore different career options. Additionally, students will be given the opportunity to create their own business and pitch it to investors through optional participation in the **YELL (Young Entrepreneur Leadership Launchpad; [www.yellcanada.org](http://www.yellcanada.org))** program. In addition to the high school credit, YELL participants will also be eligible to receive university credit at some institutions. YELL participants will form groups, create a business venture together, identify and test assumptions, and ultimately prove and validate their concept. Students learn to problem solve together and communicate effectively with their business mentor who will act as their guide and a liaison between the team and the broader entrepreneurship community. To wrap up the YELL program, classes across the province come together at the annual Venture Challenge where student teams compete and present their business venture to a panel of judges made up of community members, entrepreneurs, and investors.

## Economics 12

ECON-12

Economics is the social science concerned with the production, consumption, and transfer of wealth. While **Economic Theory 12 (see Social Studies section)** deals with how economics has shaped history and effects societies, Economics 12 deals with how economic theory is applied and used to make predictions about the business world. This course provides an introduction to modern economic models, the factors of production, the role of markets, the economic levers at play in the Canadian economy, and global economic trends plus examines the roles of the major economic players: consumers, investors, business, labour and government. Students will learn the principles of microeconomics (applied by businesses) and macroeconomics (applied by governments), apply economic models and concepts to interpret economic information, assess the validity of statistics, and investigate local and global marketplace dynamics. Students planning to enter the Faculty of Commerce/Business Administration in post-secondary will find this course very helpful. Economics 12 is a university entrance approved course for most institutions in Canada.



## INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT)

### Computer Studies 9 & 10

MADIT09, MCSTU10

Students will learn Windows, Microsoft Office, Linux, web design, internet and computer safety, coding, game design, hardware components, devices, networking, and how to think about current topics like AI, machine learning, data science, big data, 5G and e-gaming. This course will be useful for anyone who lives or works in the 21<sup>st</sup> century.

ADST ICT 9..... MADIT09

Computer Studies 10..... MCSTU10

### Computer Programming 11 and 12

MCMPR11, MCMPR12

Students will learn how to code with Python. More advanced students may explore other languages like Java, JavaScript, C#, C++. After learning the basics of programming structures, students will learn more in depth ideas about image analysis, web scraping, programming bots, and game design. Other topics may include software engineering, databases, operating systems, machine learning, artificial intelligence, data science. Students who are interested in pursuing a post-secondary education and career in computers will find this course useful.

Computer Programming 11..... MCMPR11

Computer Programming 12 .....MCMPR12

### Game Design 11 & 12

MCINF11, MDMD12

Students will learn how to use industry standard game engines. After learning the basics of the game engine, they will work individually or collaboratively to design and implement their own games. Other aspects of game design that will be explored include psychology of game design, aesthetics and story building, business of games, coding, e-games, games in society. Students who take this course should be advised that game design is not the same as graphic design (there's a separate course for that) and that game design is not the same as playing games (it's much harder but much more fun).

Computer Information Systems 11.....MCINF11

Digital Media Development 12 .....MDMD12

### Potential Careers

Software Engineer	Systems Analyst	AI Researcher
Data Scientist	Game Developer	Web Developer



## HOME ECONOMICS AND CULINARY ARTS

### Textiles

ADST 8 ½ of rotation..... MADT-08  
Textiles 9, 10, 11 & 12 ..... MADT-09, MTXT-10, MTXT-11, MTXT-12  
Fashion Industry 12 ..... MFIND12

Textiles is a course that allows you to be creative and to develop an appreciation for the various uses of textiles. Your projects will be determined by you and every project will build upon the skills you learned previously. Students have the opportunity to progress as fast as they desire. You can work your way to designing your very own Prom dress or whatever you are passionate about. Give yourself the opportunity to explore your interests!

#### Skills you will learn:

- To appreciate all aspects of the human body and to create clothing that fit various body shapes
- Utilizing knowledge and construction techniques to make pattern alterations and to create personal designs (pattern drafting)
- Learning about sustainable fashion and upcycling and their impact to society

#### Potential Careers:

Fashion Designer	Costume Designer	Buyer
Fashion Writer	Fashion Photographer	Model

### Foods 9 — 12

MADFS09, MFOOD10, MFOOD11, MFOOD12

Fees: Foods 9 (\$20); Foods 10 (\$35); Foods 11 (\$45); Foods 12 (\$45)

In Foods 9 — 12, students learn how to cook and bake their way through every delicious meal and snack of the day. Food prepared in the home economics classrooms is for personal consumption which means you get to eat what you make! On average, students can expect to cook once per week and recipes may be adapted to meet a variety of alternative diets.

#### Skills you will learn:

- Components of recipe development and modification, including ingredients, functions, proportions, temperatures, and preparation methods
- Learning to work effectively within a group and how to communicate with others about roles and responsibilities
- Utilizing the techniques and knowledge required in meal preparation such as timing and pacing, as well as proportions and scaling of ingredients

#### Potential Careers:

Chef	Pastry Chef	Food Stylist
Dietitian	Food Photographer/Blogger	Food Critic



## Culinary Arts 10, 11 & 12

MCUL-10, MCUL-11, MCUL-12

Have you ever wanted to learn the secret to making Van Tech's famous cinnamon buns or do you have an interest in Culinary or Pastry Arts? This stress-free elective will give you hands-on experience working in an industrial kitchen.

Check out what our Culinary Arts students are up to on Instagram @vantech\_cafeteria.

Fee: \$25 for Food Safe Level 1 certification for 5 years. Not required if already certified.

Food Safe is a standard requirement for all food service workers in BC

### Skills you will learn:

- Recipe development and modification
- Large scale cooking and baking using industrial kitchen equipment
- Cashier training
- Flexibility and adaptability skills required to work in fast-paced environments

### Potential Careers:

Professional Chef/Pastry Chef	Culinary Business Owner: caterer, food truck, restaurateur	Culinary Arts/Home Economics Teacher
Food Distribution Representative	Hotel Food and Beverage Manager	Food and Environmental Health Officer



## TECHNOLOGY EDUCATION

### AUTOMOTIVE

#### Power Technology 9 (SEMESTERED)

MADPT-09

This course is an introduction to a variety of technological processes including: research, design, problem-solving, construction and teamwork. Students will work with different materials, tools and machines to evaluate and solve different several design problems. Projects may include themes involving transportation, structures, forces, pneumatics, hydraulics, and aeronautic. This is an excellent course for students who do not know which trade or technical field of study they wish to pursue.

#### Power Technology 10

MTPOW10

An introductory course providing students with a general overview of today's technology. This course will be beneficial whether you choose to follow a related career in this field, or to just expand your knowledge and skills for general interest. This course is designed to prepare you for the future. It is designed to build skills, self-confidence and the ability and desire to learn new information. Although we will concentrate on today's technology and small gasoline engines, the knowledge and skills you acquire can be transferred to a wide range of mechanical situations.

#### Automotive Technology 11

MTAUT11

*Fee:* some material costs

*Credit:* 4 credits; fulfills the 2 credit Applied Skills 11 graduation requirements

An introductory automotive course which allows the student to study the theory and practice of a number of vehicle systems. The successful student will acquire skills which will: (1) allow the future vehicle owner to perform a variety of service procedures on his or her own vehicle; (2) assist the individual in becoming a knowledgeable consumer of automotive products and services; and (3) enable him or her to make an informed decision regarding a possible career in some aspect of the automotive industry.

## Automotive Technology 12

MTAUT12

*Fee:* some material costs    *Credit:* 4 credits

An advanced automotive course in which the student applies the knowledge and skills acquired in AT 11 to develop more specific diagnostic and service abilities which will be useful to the student who would like to pursue a career in the automotive industry. The double block format allows for the instruction and shop practice. In addition to offering “pre-trade” training, AT12 also addresses the needs of those students who would like to learn more about the automotive industry from a consumer’s perspective. Students will learn correct service and maintenance procedures and procedures for obtaining required automotive services as a vehicle owner. Students will also be involved in the examination of the automotive industry from a broader perspective. For example, students will examine the environmental effects of the automobile and will develop solutions for specific problems created by this form of transportation.

## Automotive Technology 12 (Engine and Drive Train)

MTEAD12

ATD12 emphasizes advance training in Engine and Drive Trains Systems. It also allows the student to spend more time in shop practice. Teacher approval required.

**Leads to:** direct employment, post secondary training, apprenticeship in the automotive industry.

# GRAPHIC & ARCHITECTURE DESIGN

## Architecture and Design

In Architecture and Design (Drafting) courses students will learn how to communicate 2D and 3D ideas through drawing by hand and using computer design software. Students are encouraged to explore, fail fast and frequently, and take creative risks.

Students will get to utilize a variety of advanced machinery such as 3D printers, 3D scanning tools, laser engravers, and other CNC machines to create innovative, high-quality products, and architectural models.

Skills gained in this field will prepare students for the many new exciting career paths growing in the fields of design, fashion, architecture, medicine, and engineering.

### Skills you will learn:

- 2D and 3D Computer Aided Design (CAD) with industry standard software.
- Teamwork and Collaboration Skills
- Technical communication.
- Designing fully functional prototypes for real world applications using both traditional tools but also Computer Aided Manufacturing (CAM).

### Potential Future Paths:

Biomedical Engineering / Medicine	Architecture / Civil Engineering
Mechanical or Industrial Design	Engineering

### Courses:

ADST – DRAFTING 9

MADD-09 (Semestered)

DRAFTING 10

MTDRF-10

DRAFTING & DESIGN 11

MTDRF11

DRAFTING & DESIGN 12

MTDRF12

## Graphics/Media Design 9-12

Students will have a wide range of opportunities to learn communication skills through visual design, digital imagery and software manipulation. Skills gained will be useful in creating clear and more exciting visual presentations for all areas of study.

**Skills you will learn:**

- Computer design with industry standard software
- Physical manipulation of real products
- Communicating through visual media
- Clothing production with vinyl and screenprinting
- Designing for on-line and traditional media
- Photography for production work
- 

**Potential Future paths:**

Graphic artist	Digital animator
On-line or traditional publishing	Advertising

**Fees:** Graphics 9: \$5, Graphics 10-12: \$15

**Courses:**

ADST – GRAPHICS 9	MADMA09 (Semestered)
GRAPHICS 10	MMEDD10
GRAPHICS 11	MMEDD11
GRAPHICS 12	MMEDD12

**Graphic Production 11/12 (Yearbook)****MGRPR11, MGRPR12**

This course will introduce you to all of the different aspects involved in creating and producing a yearbook. Students must be willing to dedicate many hours outside of the classroom to the project but you will have the satisfaction of being a part of chronicling the year that was in a permanent record.

**Skills you will learn:**

- Computer design and layout with industry standard software
- Digital photography
- Journalism
- Teamwork, time management and organization

**Potential Future paths:**

Graphic artist	Photo Journalist
On-line or traditional publishing	Advertising

## METALWORK

**Metal Fabrication & Jewelry**

In an increasingly digital world, this course revisits the joys of taking something from idea to artifact with your own two hands. Students will learn a wide variety of metal fabrication techniques, old and new. They will develop a keen eye for detail and also explore their artistic side in jewelry making. In Canada, skilled trades are in high demand. This course lays the foundation to go on too many different rewarding careers. From go-karts and medieval armour to silver pendants and copper rings, from modern furniture and crazy bike machines to everything else in between; if it's made with metal, you can try your hand at making it here.

**Skills you will develop:**

Metal Fabrication	Jewelry
Welding: Oxy-Acetylene, MIG, TIG, Stick	Lost wax silver casting
Machinist tools: Mill, Lathe	Copper enameling
Forge and foundry work	Pewter casting

Sheet metal processes Drafting and project costing Critical thinking, problem solving and trouble shooting	Chainmail Engraving and embossing Stone setting Glass bead work
--	--

#### Potential future paths:

Engineer	Machinist
Welder	Custom Fabricator
Industrial Designer	Auto Body Technician
Pipefitter	Structural Ironworker
Jewelry Designer	Surgeon

#### Courses:

Metalwork 9	MADM-09 (Semestered)
Jewellery 10	Y1A—0A
Metalwork 10	MTMET10
Metalwork 11	MTMET11
Metalwork 12	MTMET12
Art Metal & Jewellery 12	MTAMJ12

## ROBOTICS & ENGINEERING

Robotics, Electronics & Engineering 9,10,11,12      MADER09, MSTX-OAC01, MENR-11, MENR-12

Students will have the opportunity to learn computer-based programming skills, robot building and control, and analog and digital electronics, while being in a fun and relaxed learning environment. Independent and self-directed discovery allow students to work and learn at their own pace. New projects this year include incorporating electronic circuits into fabric and clothing. Fun, hands-on engineering challenges will also be incorporated into the course curriculum.

#### Skills you will learn:

- Robot programming using block coding, flowchart-based coding and basic C coding
- Manual robot navigation with a joystick
- Robot building
- Combining Electronics and Fabric
- Soldering electronic components and circuit boards
- Arduino microcontroller programming
- Problem Solving and Troubleshooting
- Design and Prototype testing
- Critical thinking
- Working in a group, team-building exercises



#### Potential Career Paths with these skills:

Mechanical Engineer	Robotics Engineer
Computer Software Engineer	Robotics Technician



Computer Systems Engineer	Surgeon (transferrable hands-on skills)
---------------------------	---

**Course Codes:**

Robotics, Electronics & Engineering 9	MADER09 (Semestered)
Robotics, Electronics & Exploring Trades 10	MSTX-0AC01
Robotics, Electronics & Engineering 11	MENR-11
Robotics, Electronics & Engineering 12	MENR-12



## WOODWORK

### Woodwork 9 (Semester)

MADW-08

*Fee:* Material costs of \$15 for both projects

Woodwork 9 is an introductory course in machine woodworking. The student will learn and demonstrate safe woodworking practices on a variety of hand tools, portable and stationary power equipment. During the course of this activity, instruction will be given in safety, wood technology, basic joinery, design, and wood finishing.

### Woodwork 10

MWWK-10

*Fee:* Material costs of \$15 for both projects

Woodwork 10 is an introductory course in machine woodworking. The student will learn and demonstrate safe woodworking practices on a variety of hand tools, portable and stationary power equipment. During the course of this activity instruction will be given in safety, wood technology, basic joinery, design, and wood finishing. Projects will include a folding stool and a jewelry box.

### Woodwork 11

MWWK-11

Woodwork 11 is an intermediate course in machine wood working where the student will develop an understanding of the materials and processes of the wood-working industry. The focus of the course will be on design and produce development with a strong emphasis on proper procedures and safety. Each student will design, construct, and finish a major furniture project. Students will be encouraged to work as part of a team. Some material costs will be paid by the student.

### Woodwork 12

MWWK-12

Woodwork12 is an advanced wood technology course that will broaden the students' understanding of wood working technology and practices. Students will spend the largest portion of class time on the design and product development of a major furniture or cabinet project. Advanced techniques of wood manufacture, wood finishing and safe, efficient shop practice will be emphasized. Some material costs will be paid by the student

### Woodwork 12 (Furniture and Cabinetry)

MTFAC12

Furniture Construction is designed to give students additional workshop hours to increase their skill and knowledge of woodworking theory and practice as it relates to furniture design and construction. Cabinet Construction is designed to give students additional workshop hours to increase their skill and knowledge of woodworking theory and practice as it relates to cabinet construction.

# PHYSICAL & HEALTH EDUCATION

## Physical & Health Education 8

MPHE-08

This course will introduce students to a wide variety of activities and topics related to physical activity and healthy living. Through these learning experiences students will begin to learn more about themselves, others, and their community to develop a strong foundation of the knowledge, skills, and mindsets necessary to lead a healthy lifestyle now, and in the future. Through many types of physical activities, students will build upon their physical literacy levels. Students will actively participate in a variety of units including: Team Sports: field hockey, ball hockey, rugby, basketball, volleyball, soccer, ultimate; Individual Sports: swimming, track & field, combatives, weight training, gymnastics, dance. Students will also be introduced to a variety of health-related concepts and explore their influences on overall health and well-being such as nutritional patterns and choices, sleep patterns, stress levels, healthy relationships, self-esteem and identity, and more. Over the course of the year, students will have the opportunity to participate in different learning experiences within our community and/or with some community partners. To help provide these learning experiences for students there is a **learning enrichment fee** of \$30.00 for PHE 8. Leads to: PHE 9

## Physical & Health Education 9

MPHE-09

Description: This course builds upon the learning experiences from the PHE 8 course and enables students to continue to develop and enhance their physical literacy levels and develop a stronger understanding of various factors that influence personal health decisions and their potential influences. Students will actively participate in a variety of units including: Team Sports: volleyball, basketball, soccer, softball, football, ultimate, ball hockey, lacrosse; Individual Sports: track & field, badminton, wrestling; dance; gymnastics, water activity & safety; Martial Arts, Fitness & Theory: weight training, health education. Over the course of the year, students will have the opportunity to participate in different learning experiences within our community and/or with some community partners. To help provide these learning experiences for students there is a **learning enrichment fee** of \$30.00 for PHE 9.

Leads to: PHE 10

## Physical & Health Education 10

MPHED10

Description: This course builds upon the learning experiences from the PHE 8 and 9 classes and continues to use a variety of physical activities to support students in the development of their physical literacy levels; pursue and reflect on personal goals related to health; and develop a deeper understanding of how their community, and relationships with others, can influence their pursuit of lifelong healthy living. Since this may be the last Physical and Health Education course taken by some students, an attempt is made to orient the student to a variety of leisure time activities, personal fitness assessments and lifestyle management tools. Students will actively participate in a variety of units including: Team Sports: volleyball, basketball, soccer, softball, football, ultimate, ball hockey, softball; Individual Sports: tennis, badminton; dance; water activity & safety, golf, orienteering; Fitness & Theory: weight training, health education, first aid. Over the course of the year, students will have the opportunity to participate in different learning experiences within our community and/or with some community partners. To help provide these learning experiences for students there is a **learning enrichment fee** of \$50.00 for PHE 10.

Leads to: ACTIVE LIVING 11 (Co-ed, Girls, Soccer), FITNESS & CONDITIONING 11, YOGA & WELLNESS 11, OUTDOOR ED 11

## Active Living 11 and 12

MACLV11, MACLV12

Active Living 11 and 12 will be offered in split classes. Content will vary on a year one/year two basis.

This course is a senior elective course that enables students to participate in a wide variety of physical activities in the school and in the community. Some of these community-based field trips may include: hiking, kayaking/sailing,

snowshoeing/curling, golf, rock climbing/laser tag and much more.

The main focus is a broad survey of recreational activities that can lead to a healthy, balanced lifestyle post high school.

Over the course of the year, students will have the opportunity to participate in different learning experiences within our community and/or with some community partners. To help provide these learning experiences for students there is a **learning enrichment fee** of \$100.00 for Active Living 11 & 12.

### Active Living 11 and 12 (Girls)

MACLV11G--, MACLV12G--

Active Living 11G and 12G will be offered in split classes. Content will vary on a year one/year two basis.

The emphasis of this course is to provide an environment where girls will develop life-long healthy living habits. This course is meant to give girls the opportunity to participate in a wide variety of physical and leisure activities offered in an enjoyable atmosphere. The curriculum for the course will be chosen by the class and may include a variety of activities such as: Yoga, Spinning, Pilates, Weight training, Fitness classes, Aqua fit, Power walking, Jogging, Swimming, Self Defence, Hip hop, Rock Climbing, Skating, Roller blading, Sailing, Wind surfing, Kayaking and Nutrition. An off-campus activity fee will be collected to pay for activities that will take place in sport establishments throughout the lower mainland. Over the course of the year, students will have the opportunity to participate in different learning experiences within our community and/or with some community partners. To help provide these learning experiences for students there is a **learning enrichment fee** of \$100.00 for Active Living 11 & 12 (Girls).

### Fitness and Conditioning: Soccer 11 and 12

MTFCD11SC1, MFTCD12SC1

Fitness 11 and 12 Soccer will be offered in split classes.

This course integrates physical fitness with a specific focus on soccer skills and tactical training. Students will engage in a comprehensive fitness program, including weight training, tailored to enhance strength, power, agility, and endurance, addressing the specific demands of soccer. The curriculum includes skill development in ball control, passing, shooting, and strategic positioning. Tactical training emphasizes team dynamics, game analysis, and decision making on the field as well as live game analysis. The course aims to foster a holistic understanding of soccer, combining physical fitness with strategic intelligence.

### Fitness and Conditioning 11 and 12

MFTCD11, MFTCD12

Fitness 11 and 12 will be offered in split classes. This course incorporates concepts necessary for a lifetime of physical fitness and health. It equips students with essential knowledge about physical health, nutrition, and exercise routines. The course fosters a proactive approach to maintaining a healthy lifestyle and instilling habits that can last a lifetime. Students learn to set and achieve fitness goals and understand the importance of cardiovascular, strength training, flexibility, and body composition. The course not only promotes physical fitness but also enhances mental well-being, emphasizing the interconnections of mind and body. Overall, it empowers students with the tools to lead a healthier and more active life now and in future.

### Outdoor Education 11/12

MODED11, MODED12

Outdoor Education 11 and 12 will be offered in split classes.

This course is designed for students with an interest in being physically active and experiencing a variety of outdoor pursuits. Students will develop skills, knowledge, teamwork, leadership, and an understanding of our natural environment through participation in a variety of outdoor activities. Some possible activities include hiking, rock climbing, backpacking, winter camping, kayaking, canoeing, alpine skiing, snowboarding, snowshoeing, x-country skiing, cycling, orienteering, skateboarding, and running. Concepts related to trip planning, risk assessment, and emergency preparedness. Field trips will be during school hours, but some activities will occur outside of regularly scheduled class time. Students are responsible for making up any missed work in other classes.

Course Fees: The course fee is \$475. This covers a portion of the years trips and the remaining costs will be covered through class fundraising efforts.

## Yoga and Well-Being 11 and 12

YLRA-1A, YLRA-2A

Yoga 11 and 12 will be offered in split classes

This course is designed to introduce high school students to the principles of yoga and wellness activities. It is a nondenominational, physical course that promotes lifelong fitness and health. Students will explore various styles of yoga, meditation, and relaxation in a safe, supportive, and non-competitive learning environment. The course emphasizes the physical and mental benefits of yoga and wellness activities, including improved muscle tone, strength, flexibility, balance, reduced tension, improved energy levels, stress management, improved concentration, self-awareness, and self-discipline.

## Leadership 11/12 (Off-Timetable/Full Year)

YHRA-1A, YHRA-2A

Leadership 11 and 12 will be offered in split classes

All students in the Leadership program will meet as a group on a pre-determined basis with the teacher to learn about various concepts related to the theoretical and practical application of human relations. Time in class will be spent understanding the basic concepts of proactive leadership and how to effectively use the concepts in life and within the school environment. Through these lessons, students will deepen their understanding of what leadership means to them and look to develop and build upon their leadership skills. The students will play a leadership role in school and community based special events.

This course requires students to have good time management, organization, and the ability to be independent learners/leaders.



## Athlete Development 11/12: Volleyball

YLRA-1B / YLRA-2B

In this volleyball-specific PHE class, students will gain the skills and knowledge to improve their in-game play, knowledge, and awareness, through on-court and in-class sessions. Activities include indoor, grass, and sand volleyball, sport-specific weight training and conditioning, and health and nutrition sessions, to develop the holistic athlete. Students will also undergo officiating and coaching training and have the opportunity to gain proper certification to be a referee and NCCP coach.

# ARTS EDUCATION

## VISUAL ARTS



### Fine Arts 8 – Visual Art

MVA—08

This class is an introduction to the process of art making. No experience is required. Emphasis will be placed on imagination, exploration of materials, self-expression, and care of equipment through drawing, painting and/or ceramics projects. Learn the language of line, shape, colour, tone, texture and pattern. Tell a story visually. A willingness to try new approaches and ways of thinking is encouraged. Recognize your own and other people's art making and good efforts.



## Visual Art 9 – General Art (Half-Semester)

MVA—09

This class is designed to allow students to explore the processes and materials of art making through drawing, painting, print-making, and mixed/new media. Materials may include drawing pencils, coloured pencils, chalk pastels, felt pens, watercolour crayons, watercolour paint, coloured papers and found materials. Be introduced to artists past and present through creative processes and projects that develop your image-making skills/abilities and self-expression. Gain insight into your own and others perspectives and cultures.



## Visual Art 9 — Ceramics & Sculpture (Half-Semester)

MVA—09CR1

This course will provide an opportunity for students to explore the magic of clay. Students will develop hand-building skills (pinch pot, coil, slab, and sculpt). As well, they will have the opportunity to learn throwing skills on the potter's wheel, an introduction. In a unit on glazes and glaze treatments students will experience exciting results and fun! This course will encourage students to dream, design and create.



## Visual Art: Art Studio 10

MVAST10

This full year course will provide an opportunity for students to explore their artistic potential through drawing, painting, print-making, collage or mixed new media. Students will develop image-making capacity while working with a variety of materials including pencil, graphite stick, pastel, coloured chalk, pen/ink, watercolour pencils, oil or acrylic paint. A variety of creative processes will be explored. Be surprised by the visual skills, powers of observation and ability for self-expression you develop while creating unique personal imagery. Be creative and innovative in exploring possible solutions, plan, design within a project with well-defined objectives and recognize your own and other people's perspectives. Artists past and present, their styles and contributions to culture will be presented within projects.

## Visual Arts 10: Drawing & Painting

MVAD-10

This full year course will provide an opportunity for students to explore their artistic potential through drawing and painting. Students will develop image-making capacity while working with a variety of material including pencil, graphite stick, pastel, coloured chalk, pen/ink, watercolour pencils, oil or acrylic paint. A variety of creative processes will be explored. Be surprised by the visual skills, powers of observation and ability for self-expression you develop while creating unique personal imagery. Be creative and innovative in exploring possible solutions, plan, design within a project with well-defined objectives and recognize your own and other people's perspectives. Artists past and present, their styles and contributions to culture will be presented within projects.



## Visual Art 3D 10 (Ceramics & Sculpture)

MVAC-10

In this full year course, students will learn basic clay building skills (pinch pot, coil, slab, and sculpt) while exploring personal expression. As well students will be encouraged to learn throwing on the potter's wheel as a means of making functional objects but also as a way of creating alternative forms quickly, ones they can combine and integrate with their hand building. An expanded pallet of glazes will be made available and used to problem solve the challenges of expression involved in building 3D projects.



## Art Studio 11

MVAST11

In this full year general studio art course, students will continue to develop their artistic expression through a wide variety of materials, visual projects and creative processes. This course is for students who have previous art courses as well as for those for whom art is a first experience. Work with a variety of materials including pencil, graphite stick, charcoal, pastel, coloured chalk, pen/ink, watercolour pencil, oil or acrylic paint. Projects designed to develop your imagination, ability to draw from observation, release your creativity, express your thoughts, feelings and perceptions while creating unique personal images.

You will develop confidence/skill in the art making process, in understanding artistic expression and culture and in appreciating of your own work and that of others. Leads to Art Studio 12 MVAST-12.



## Studio Arts 11 (Ceramics & Sculpture)

MVAC-11

This course will provide students with an opportunity to advance their hand-building, throwing and surface treatments in clay. Projects vary from sculptures (even architecture) to functional wheel thrown pieces (such as teapots). Through drawing and problem solving of 3D design and personal imagery, students will be able to create a body of thematically related art that demonstrates personal style and growth. Projects will study the role of ceramic forms and art in history as well as our contemporary society. Leads to Studio Arts 12 (Ceramics and Sculpture) MVAC-12.

## Studio Arts 2D 11 (Drawing & Painting)

MVAD-11

This is a full year studio art course emphasizing visual problem-solving in drawing and painting as well as the development of personal style. This course is for students who have previous art courses as well as for those for whom art is a first experience. Create imagery from what you imagine and hone your ability to draw from what you see. Continue to develop your understanding of art elements and principles, composition and colour theory. Express your thoughts, feelings and perceptions while creating unique personal imagery. Work with pencil, graphite, charcoal, pastel, coloured chalk, pen/ink, watercolour pencil, acrylic or oil paint and a variety of art papers. Be creative and innovative in exploring possible solutions, plan, design within a project with well-defined objectives, recognize and respect people's diversity, individual differences and perspectives. Artists and art history presented within projects through film and video. Field trip to the Vancouver Art Gallery will be arranged when appropriate and possible. Value building your own portfolio. Leads to Studio Arts 2D 12 MVAD-12.



## Art Studio 12

MVAST12

This course is for students wanting to continue enjoying making art while advancing and refining their skills and creative expression. Also, for students who want to continue learning about artists and the art world, deepening their knowledge of materials and processes, developing a personal style, expressing their imagination, honing their skills in drawing from observation, and expressing thoughts and feelings through unique personal imagery. Be creative and innovative in exploring possible solutions, plan, design within a project with well-defined objectives and outcomes, recognize and respect people's diversity, individual differences and perspectives. Assistance will be given in compiling a portfolio for post-secondary applications.

## Studio Arts 2D 12 (Drawing & Painting)

MVAD-12

This course provides in-depth exploration of drawing and painting and is for students wanting to take the next step in their development as artists. Builds on previous art experience, willingness to evolve artistically and to work at a more advanced level. Exploration and engagement with a wide variety of drawing and painting ideas, materials and processes. Be creative and innovative in exploring possible solutions, plan, design within a project with well-defined objectives and outcomes, recognize and respect people's diversity, individual differences and perspectives. Development of personal style and original visual expression is encouraged. Mindfulness practices and reflective writing integrated within this course increase awareness, focus and creative expression. Assistance will be given in the compiling of a portfolio for post-secondary application.

This course is different than the First Peoples' Visual Art 12 - (Art Forms) and can be taken concurrently with any other art course.



## Studio Arts 12 (Ceramics & Sculpture)

MVAC -12

This course is designed as a continuation of Studio Arts 11 (Ceramics & Sculpture). There will be greater emphasis on individually developed work and opportunity for senior students to create a body of ceramic work that is thematically related and lends itself to the development of personal style and problem solving. In some projects, senior students will study and make a presentation about the role of some ceramic form or technique occurring in art history or our contemporary world. Assistance will be given to students in compiling a portfolio for post-secondary application.

## First Peoples' Visual Art 12 (Art Forms)

FPVA-12

First Peoples' Visual Art 12 offers a unique introduction to connecting with Indigenous worldviews through art. Traditional and contemporary First Peoples artwork provides a segway to discussion and themes related to histories, perspectives, politics, oral storytelling, and ways of being on the land. Through the exploration of First Nations art and techniques, the course aims to introduce reciprocal, relational, relevant, respectful, and responsible interactions in community. In this way, students will gain an understanding of cultural traditions of the local nations and other nations across Canada, including students' own ancestral traditions.

In the First Peoples' Visual Art 12 course, students will learn traditional and modern drawing and painting techniques using Coast Salish design, NWC formline crest design, and other techniques used across Canada and the world. A variety of weaving techniques and preparation of supplies such as cedar bark, wool-spinning and wool-dyeing will be explored along with a variety of tools and techniques used. Some of those might be carving, beading and leatherwork tools. Students will delve into their own cultural backgrounds and work on inquiry projects aligned with their interests, using techniques taught in the course.

This course does not fulfill the First Peoples graduation requirement and is intended for grade 11 and 12 students. This course is different than the Studio Arts 2D 11/12 (Drawing and Painting) and can be taken concurrently with any other art course.

## PHOTOGRAPHY



### Photography 11

MVAPH11

*Texts: Photo One, The Step-By-Step to Photography*

This course is designed for students interested in learning the art of image-making along with the history and principles of photography. This course covers the operation of a 35MM camera, black and white film processing, the darkroom and the elements and principles of composition. You will learn processes for refining their perception and creating personal photographs with visual impact. Projects are designed to challenge the imagination while developing technical skill. Be creative and innovative in exploring possible solutions, work independently and as part of a team, recognize your own and other people's ability. Field trips to photography exhibitions are part of this course as well as the regular use of a notebook. Access to a 35MM SLR camera is suggested as the art department has a limited number of cameras for this program. Assistance will be given in compiling a portfolio. Leads to Photography 12 MVAPH12.



### Photography 12

MVAPH12

*Texts: Step-by-Step Guide to Photography*

Continued in-depth exploration of the SLR camera, darkroom, creative processes and the art and science of photography. Projects are flexible, designed to stimulate the imagination, explore colour toning, and hand-painting. Projects are sometimes jointly planned by students and teacher. Emphasis will be on developing greater technical skill, personal expression, the ability to see as a photographer sees and the ability to create photographs with visual impact.

Be creative and innovative in exploring possible solutions, work independently and as part of a team, work to agreed quality standards and specifications, feel good about yourself and be confident. A unit in digital photography and expressive studio lighting is included within this course. Having access to your own 35MM SLR camera is strongly recommended.





## ADVANCED PLACEMENT ART AND DESIGN

### AP Drawing

ASAD-12

### AP 2D Design Portfolio: Photography 12

A2DP-12

The AP Art and Design program is intended for motivated students who are interested in the practical experience of art and wish to develop sophistication in concept, composition and craftsmanship. Work should be based on personal imagery and experience plus own artistic response and expression. Artistic authenticity, integrity and originality are emphasized. This program is for students keenly interested in developing their artistic expression through the creation of a comprehensive portfolio for submission to the College Board. Colleges and universities recognise high scores in AP courses and may grant first year credit.

Students must be enrolled in one of Studio Arts 12, Art Foundation 12 or Photography 12 courses. Students prepare for portfolio submission through a combination of course work, extra AP instruction and their own independent work. Any one of Studio Art 11, Art Foundations 11 and Photography 12 courses are a prerequisite as pre-AP courses and prepare students for this personal artistic challenge. Two portfolios are authorized by the College Board for students at Van Tech, AP Drawing and AP 2D Design Portfolio: Photography 12. Students who enroll in Studio Art 12 compile an AP Drawing portfolio. Students who enroll in Photography 12 compile an AP 2D Design Photography portfolio. There is a fee for the exam in the AP Art and Design Program. Note: the exam is the submission of the portfolio to the College Board.

Employability Skills: Plan, design or carry out a project or task from start to finish with well-defined objectives and outcomes, be creative and innovative in exploring possible solutions, assess your own personal strengths, set your own learning goals and develop confidence.

## VISUAL ARTS: FILM/VIDEO PRODUCTION



### Video Production 10

MVAM-10

This class is for visual storytellers who want to see their work on a big screen. Learn about cameras, lighting, sound, and the artistry of filmmaking. If you're ready to shoot, edit, and make stories come to life this program is made for you!



### Video Production 11

MVAMT11

This is an introductory course designed to give students hands-on experience in filmmaking. The course is developed around a series of workshops and in-class activities exploring the basic components of visual storytelling, sound design, and lighting techniques. Students are expected to conceive, direct, and edit a short film in groups or to create a site-specific video installation based on an idea of their own choosing. Experimentation and risk-taking are encouraged!



### Video Production 12

MVAMT12

This course is designed for students wanting to advance their filmmaking skills. Students will learn to specialize their technical and aesthetic skills using digital video cameras, various microphones, and new media software such as Adobe Premiere Pro. Students will be expected to create short films based on their own invention. This course suits highly motivated and self-directed learners who have a strong interest in the art of film.

Employable skills: Plan, design or carry out a project or task from start to finish with well-designed objectives and outcomes; be creative and innovative in exploring possible solutions; work independently or as part of a team.





## DRAMA / THEATRE

Drama and Theatre Classes offer:

- Independent thinking & confidence building for developing lifelong skills
- Who you are and your social identity with the school community and society as a whole
- Team building and learning how to effectively collaborate and work with others
- Leadership opportunities and mentoring
- Work Ethic: learning what and how you can effectively contribute independently & within group settings
- Emotional and kinetic learning (muscle memory)
- Oral Language: learning how to be a better oral speaker/communicator
- Empathy and imagining what it is like to be in another person's shoes

### Drama 8

MDR-08

This class is an introduction to Drama. We will explore various kinds of staging, theatre games, mime, short plays and movie reviews. Performance techniques, social skills, developing focus/collaboration/team work are a key goal of the class.

Skills: learning to work in the dynamics of small & large groups, taking risks & building confidence to talk in front of a group. Identifying & improving on having a good work ethic, learning how to improve on team building & problem solving skills.

### Drama Theatre 8

MVA-08C01

Theatre 8 class is offered to students who want to be involved in a fully produced performance experience. Learn the different roles involved in putting a performance on. We will explore different types of performance styles, theatrical dance/movement, storytelling, and vocal techniques. A series of short presentations, physical/vocal exercises, warmups and drama games will prepare students for performing. Students will be involved in a public performance (short play, dance, musical theatre performance). Students will also have an opportunity to learn backstage work: theatre production, areas of set, lighting, prop/costume design, and stage management. Students who choose this class need to have an ability to work in a focused, disciplined manner and have excellent participation. This class could involve some after school rehearsals. We will have an evening performance for friends and family.

### Drama 9 (Half-Semester)

MDR-09

This class introduces students to various scene study, character building, learning different acting techniques, performing scripted monologues and scenes. Theatre games, warm ups, improvisation and vocal technique. A large part of the class will include how to work collectively in small and large groups, learning to speak in front of an audience and finding out more about theatre as a performing arts form.

Skills: learning how to be open to and supportive to the thoughts, opinions & contributions of others in a group. Identifying & improving on having a good work ethic, problem solving, improving memorizing techniques and critical thinking.

### Theatre Company 9 (Half-Semester)

MDR-09C01

Theatre Company 9 is offered as a double quarter-semester or single quarter-semester class. Each quarter semester we produce a different play. With permission of instructor, interested students can choose to continue the class for the second quarter of the semester. It will be a different content experience and curriculum through involvement in a second play. This class will give junior theatre students an opportunity to learn various aspects of "play production". In class Auditions will take place for each play. Students will work collectively together on building a production performed for the community. Students have the opportunity to be trained in back stage areas: stage management, publicity, set, props and costumes. There will be an opportunity to perform in the evening to the public. This class is for students who are passionately interested in Theatre, have a willingness to develop their social skills, work well with others and are open to taking risks and trying new things.

Skills: learning about full play rehearsals, to work in the dynamics of small & large plays, team & community building, problem solving, and improving/assessing/reflecting personal strengths & areas of development. Developing a good work ethic and learning a Professional model of all the areas of Play Production.

## Drama 10

MDRM-10

This full year class will cover character development, working on scripts and adaptations and ensemble work. The class is planned around term projects: original student written work, acting scripted scenes, film acting, movement/dance pieces, advanced improvisation skills and theatre etiquette will be covered. Drama 10 explores various kinds of Theatre Performance styles. Can be taken at the same time as Theatre Company.

Skills: be flexible, respect, be open to and supportive of the thoughts & opinions & contributions of others in a group, taking risks & building confidence to talk in front of a group Identifying & improving on having a good work ethic.

## Theatre Company 10

MDRTC10

Theatre Company 10 is offered to students who want to be involved in full “play production”. Students will choose a main area of focus each semester: Backstage Production Work or Performing. Students will have the opportunity to learn all aspects of play production: sets, props, lighting, sound, costumes, promotion, stage management and in some cases assistant direction. During the year we will produce a Main stage play in the Auditorium and a Studio One-Act Play. This class is for students who are passionately interested in Theatre, have developed their social skills, work well with others are willing and open to take risks and try new things.

Skills: learning to work in the dynamics of small & large groups. Team & community building, leadership, problem solving, assessing personal strengths & areas for development. Developing a good work ethic.

## Drama 11

MDRM-11

This class is designed for students interested in learning about a variety of different kinds of performance. Some years depending on interest we explore dance type performance, physical movement, film acting, choral speaking and experimental theatre styles, making performances based on political/social issues and personal stories. We will explore more in-depth character work, audition techniques, scripted monologues, scenes and original projects. Acting for the stage and for the camera will be covered and various kinds of Theatre Performance styles. Skills: be flexible, respect, be open to and supportive of the thoughts, opinions & contributions of others in a group, taking risks & building confidence to talk in front of a group.

## Theatre Production 11

MDRTP11

Theatre Production 11 is an introductory course in backstage theatre, including learning about theatre terminology, the various roles involved, set, props, costumes, running lights and sound for various in class activities. Students will be working with the acting students and have opportunity to help with tech requirements for assemblies and rentals. Skills: recognize the human, interpersonal & technical dimensions in achieving tasks. Developing innovative thinking, develop problem solving & seek different points of view.

## Directing and Scriptwriting 11

MDRDS11

This class is for students who have a love for creative writing, theatre and working with others. An introduction to playwriting starting with writing prompts for the stage and working into short scene script, personal story writing and collaborative projects with the acting students in the class. Directing will give opportunities to learn various kinds of leadership. Students will learn how to direct the acting students.

## Theatre Company 11/12

MDRTC11, MDRTC12

Theatre Company is for students who are interested in continuing to learn a “professional” Theatre Model. Students who want to act, will audition within the class for the studio plays and the main stage Spring production. The Main stage play is performed on the auditorium stage (which requires an ability to vocally project). Everyone will have an opportunity to learn various aspects of Theatre: props, set, costumes, lighting, sound design, “front of house” work,

marketing a show, playwrighting, stage management, theatre etiquette and directing. The scripts will be a combination of professionally written and original. Theatre Company students need to be available for extra rehearsals if needed. Guest Theatre Professionals are in attendance throughout the year.

Skills: learning to work in the dynamics of small & large groups, team & community building, problem solving, assessing personal strengths and developing & improving a good work ethic.

## Drama 12

MDRM-12

This senior Theatre class continues to explore advanced acting skills, refining techniques and challenging the student to perform in front of various audiences. Guidance and preparation will be given for post secondary entrance to acting program (for interested students). The class covers acting scripted scenes, improvisation, character development, film acting, movement/dance pieces and exploring various kinds of Theatre Performance styles.

Skills: be flexible. Respect, be open to and supportive of the thoughts, opinions & contributions of others in a group. Building trust and a strong class community enables us to be creative and express ourselves.

## Theatre Production 12: Technical Theatre

MDRTP12

This class builds on what has been learned in Theatre Production 11, with an emphasis on learning sound, video and lighting technical skills. Students will be encouraged to work on school productions and various independent projects in class. Some years students will have opportunities to work in the Auditorium for rentals, assemblies and general school events. Skills: recognize the human, interpersonal & technical dimensions in achieving tasks. Developing innovative thinking & seek different points of view.

## Directing and Scriptwriting 12

MDRDS12

This more advanced class is for students who have a love for creative writing, theatre and working with others. An introduction to playwriting starting with writing prompts for the stage and working into short scene script, personal story writing and collaborative projects with the acting students in the class. Directing will give opportunities to learn various kinds of leadership. Students will learn how to direct the acting students. If MDRDS 11 credit has been earned there will be opportunities for more independent leadership projects. This class is an “up on your feet” working Theatre class.

# MUSIC



## BAND

### Band 8 / Band 9 (Beginner Band)

MMU—08BA1, MMU—09BA1

Learn how to play a Band instrument and perform with your friends! This class is the beginner-level band at Van Tech for students with no prior concert band experience. The course includes an introduction to instrumental music with an emphasis on woodwind and brass instruments. This course does not teach guitar, electric bass, or drum kit. Students in this course are invited to participate in the annual Junior Music Tour. Participation in concert performances is an expectation of this course. Concerts will take place both during the school day and outside of regular school hours. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).

### Band 8 / Band 9 (Intermediate Band)

MMU—08BA3, MMU—09BA3

Take your playing skills to the next level and learn to perform more exciting music with your friends! This class is the intermediated-level band at Van Tech for students with one to two years of experience on a concert band instrument. The course places emphasis on developing music literacy, musicianship, and instrumental technique through performance. Students in this course are invited to participate in the annual Junior Music Tour. Participation in concert performances is an expectation of this course. Concerts will take place both during the school day and outside of regular school hours. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).

## Band 10 — 12 (Senior Concert Band)

MMUCB10, MIMCB11, MIMCB12

This class is the premiere performing ensemble of the Band Program at Van Tech. Class rehearsals focus on advanced musicianship, challenging technique, musical leadership, and application of music literacy skills. Students in grades 10 through 12 who are beginners may take this course with the permission of the instructor. Students in this course are invited to participate in the annual Senior Music Tour. Participation in concert performances is an expectation of this course. Concerts will take place both during the school day and outside of regular school hours. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).

## Jazz Band 10 – 12

MMUJB10, MIMJB11, MIMJB12

This class emphasizes the development of technique, style, and interpretation of the jazz idiom with a view to performance. This is an auditioned ensemble and students must also be enrolled in Concert Band, Senior Strings, or Chamber Choir and are expected to participate on an instrument they are previously skilled at as we do not teach instrumental-specific technique in Jazz Band. Participation in concert performances is an expectation of this course. Concerts will take place both during the school day and outside of regular school hours. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).



## STRINGS

### Beginning Strings 8-11 (Off Timetable)

MMU—08ST1, MMU—09ST1

Full Year – Mon / Wed 3:30-4:50pm

Learn how to play a string instrument and perform with your friends! This is an introductory course to instrumental technique on the violin, viola, cello, or double bass for students with no previous experience with an orchestral string instrument. Students will also be introduced to music theory, music reading, and ear training. Previous musical experience on another instrument is helpful but not necessary. Beginning Strings is a sub-section of the Junior Orchestra and classes are held off-timetable, on Mondays and Wednesdays after school. Students in this course are invited to participate in the annual Junior Music Tour. Participation in concert performances is an expectation of this course. Concerts will take place both during the school day and outside of regular school hours. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).

### Strings 8 / 9 (Intermediate Strings) (Off Timetable)

MMU—08ST3, MMU—09ST3

Full Year – Mon / Wed 3:30-4:50pm

Take your playing skills to the next level and learn to perform more exciting music with your friends! This class is the middle-level Orchestra at Van Tech for students with one or more years of experience. Students work to develop their instrumental technique on the violin, viola, cello or double bass and musical knowledge in theory and music reading with the goal to enter the Senior Orchestra by grade 10. Older, less experienced students may enroll in this group at the discretion of the director. Classes are held off-timetable on Mondays and Wednesdays after school. Students in this course are invited to participate in the annual Junior Music Tour. Participation in concert performances is an expectation of this course. Concerts will take place both during the school day and outside of regular school hours. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).

### Strings 10-12 (Senior Orchestra) (Off Timetable)

MMUOR10, MMUOR11, MMUOR12

Full Year – Tues / Thurs 3:30-4:50pm

This class is the premiere performing ensemble of the Strings program at Van Tech. Students work on intermediate

and advanced technique on the violin, viola, cello, and double bass and further their musical knowledge in theory and music reading in order to perform increasingly advanced works for string orchestra and, in collaboration with the Band Program, symphony orchestra. Younger, experienced students may enroll in the Senior Orchestra at the discretion of the director. Classes are held off-timetable on Tuesdays and Thursdays after school. Participation in concert performances is an expectation of this course. Students in this course are invited to participate in the annual Senior Music Tour. Concerts will take place both during the school day and outside of regular school hours. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).



## CHOIR

### Choir 8-12 (Concert Choir) (Off Timetable)

MMU—08CC1, MMU—09CC1, MMUCC10, MCMCC11, MCMCC12

#### Full Year – Mon / Thurs @ 11:45am (Lunchtime)

The Concert Choir is open to students in all grades at Van Tech; no experience singing is necessary. Learn about proper vocal technique while learning to read music in a 3-part ensemble. Our music will span more than 500 years of rich vocal history including Canadian folk, pop, jazz, Broadway and secular genres. Opportunities for group public performances will be available. The class is held off-timetable, at lunch twice a week, and regular attendance is critical for success. Students on StuCo or in Culinary Arts may join at the discretion of the Director. Participation in concert performances is an expectation of this course. Concerts will take place both during the school day and outside of regular school hours. Limited space is also available for 1-2 pianists who are interested in accompanying the choir. Students in this ensemble will be offered the opportunity to go on the Junior Music Tour. Students in this ensemble will be offered the opportunity for a vocal workshop/retreat. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).

### Chamber Choir 10-12 (Off Timetable)

MMUVJ10, MMUCH11, MMUCH12

#### Full Year – Mon/Wed mornings 7:30-8:30am

This is the Senior choir ensemble at Van Tech. Students will study a variety of traditional and contemporary literature. Genres will include classical, pop and contemporary. This is an auditioned choir (auditions are for voice-type placement only, no students will be turned away) and is held off-timetable in the mornings on Mon/Wed at 7:30am. Students in this course are invited to participate in the annual Senior Music Tour. Participation in concert performances is an expectation of this course. Concerts will take place both during the school day and outside of regular school hours. Students in Chamber Choir are offered the opportunity to join the VanTech One Vocal Jazz Group. Limited space is also available for 1-2 pianists who are interested in accompanying the choir. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).

### Vocal Jazz (Off Timetable)

#### Full Year – Tues/Fri mornings before school & Fri at lunch

VanTech One Vocal Jazz is the premiere choir at Van Tech. This is an auditioned ensemble and students must also be enrolled in Chamber Choir. In this class we will study a variety of popular and jazz styles of music; we will also learn about microphones and sound board set-up. Emphasis in this ensemble is on vocal jazz technique, including vocal improvisation. A limited number of spots are also available for students who already play guitar, bass, drums and piano to play in our rhythm section. A comprehensive description of music programming is available at [www.vtmusic.ca](http://www.vtmusic.ca).

# CAREER EDUCATION

## Career Education 8

MCE-08

Career Education 8 students will explore personal development, connections to community, goal setting and career investigation.

## Career Education 9

MCE-09

Career Education 9 students will continue with the exploration of personal development, connections to community, goal setting and career investigation.

## Career Life Education (CLE) 10

MCLE-10

In Grades 10-12, students further refine personal career-life development (CLE) goals through experiential learning, cultivating community connections, gathering authentic evidence of learning, and reflecting on competency development. They explore post-graduation possibilities in diverse educational, work, and personal life contexts and build the personal career-life management skills needed to effectively pursue who and how they want to be in the world. CLE and CLC are part of the graduation requirements, and Career-Life Connections includes a career-life exploration component and a capstone.

## Career Life Education (CLE) 10 (Off Timetable)

MCLE-10C01

**One Semester – Afterschool – one day per week**

CLE 10 Off-Timetable offers students the opportunity to learn the big ideas in CLE in a flexible learning environment, providing space in a student's timetable for an additional elective. Off-Timetable CLE will involve a blend of in-person sessions before or after school, as well as possibly some online work on Teams. Students are expected to attend all Off-Timetable classes to participate in discussions, group work, guest speakers as well as in-person assessments.

## Career Life Connections (CLC) 12

MCLC-12

Students will be assigned to a group and a teacher to work together during class time for the first part of the course. During this initial period students will explore personal career-life development and connections with the community, along with establishing a capstone project proposal and plan. Students will continue to work with the support of the teacher throughout the course, culminating with a showcase of their capstone projects.

## Career Life Connections 12 (CLC) (Off Timetable)

MCLC-12C01

**Full Year - Afterschool – one day per week**

CLC 12 Off-Timetable offers students the opportunity to learn the big ideas of CLC in a flexible learning environment, providing space in a student's timetable for an additional elective. Off-Timetable CLC will involve a blend of in-person sessions before or after school, as well as possibly some online work on Teams. Students are expected to attend all Off-Timetable classes to participate in discussions, group work, guest speakers as well as in-person assessments. Students will also learn how to complete a Capstone project on a topic and passion of their choice. Please note that this version of the course runs full year.

## COURSES FOR STUDENT SUPPORT

### Peer Tutoring 12

YIPS-2B

This locally developed, elective course is designed to provide Grade 11 and Grade 12 students with the opportunity and skills to tutor Grade 8 and 9 students who need help to succeed in school. The tutor will help students acquire skills such as reading, writing, critical and creative thinking, and basic mathematics. Under the direction of the Skills teacher tutors work one-to-one with a Grade 8 or 9 student; keep a block journal; are provided with an introduction to a diversity of instructional techniques and skills; while making a worthwhile contribution to another's educational opportunities. Assessment is based on written daily journals, good attendance, and participation.

### Community Service 11 & 12

YCPM-1D

A Teacher Assistant works with one teacher in a variety of service activities intended to promote the teacher's instructional goals (**excluding major marking and mark data entry**) and the TA's personal development in terms of organization, leadership, and self-awareness. Candidates may arrange their own placements.



### Library Services 11

YCPM-1DDA

This is a CS 11/12 course, specific to our school library. Students are encouraged to have Library Studies 11, or other library experience, before taking this course. This course provides students with work-like experience in a school library under the direction of a teacher-librarian. Students are assessed through self, and teacher evaluation, using the criteria set out in the course expectations.



### Library Studies 11

YBMO-1B

Library Studies 11 is a possible pre-requisite to Library Services 11 and is designed for students who show an interest in library use, organization, and management. This course provides students with work-like experience in a school library under the direction of a teacher-librarian. While providing services to students and staff, Library Studies students acquire skills and attitudes that are transferable to other work and community settings. Library Studies students develop library-specific technical and problem-solving skills, as well as a greater literacy. They are encouraged to show initiative, creativity, and perseverance, when working in the library. Students are assessed through self, and teacher evaluation, using the criteria set out in the course expectations.



### Mental Health Leadership 10-12 (Off-Timetable)

YPA—OA

*Full Year – Wed 3:15-5:00pm*

Students in this course will dive into social-emotional learning (SEL) and mental health literacy. Students will learn about mental health, mental illness, and the differences between them. Students will learn curriculum and become presenters using the Here4Peers model that Van Tech has been a part of since 2017. As part of this course, students will learn about available mental health supports. Students will volunteer either inside or outside of the school to support student wellbeing. Students will learn about resiliency, learn about self-care, boundaries, and self compassion.

## WORK EXPERIENCE PROGRAMS

Work Experience is a program which integrates classroom theory with practical experience in the workplace. It provides an opportunity for Grade 11 and 12 students to explore a career choice and to gain valuable work experience before proceeding to post secondary education or starting work on a full time basis. As a result, students will be better able to make sound and realistic decisions about their future. The goals of the work experience program are to:

- Improve the transition between school and workplace for students who enroll in post secondary coop programs at university and technical institutions.
- Complement the theory our students learn in school by providing the opportunity to gain practical experience in realistic learning environments.
- Provide access to equipment and expertise not available in Vancouver school buildings.
- Enhance our school-community relationships through the excellence of our programs.
- Provide our students with access to more part-time job opportunities through work experience sponsors.

With careful and early planning of course programs, students have the opportunity to complete requirements for both university entrance and Career Preparation. This opens doors to both the world of work and to advanced academic education.

Work Experience opportunities are available in the following areas: Art, Accounting, Science, Drafting, Culinary Arts, Electronics, Fashion Design, General Mechanics, Graphics, Hairdressing, Human Services, Metal Technology, Marketing, Music, Tourism, Wood Products, and Writing Careers.

### WORK EXPERIENCE STUDENTS ARE EXPECTED TO COMPLETE

- secondary school graduation requirements
- an approved course package in a work experience specialty area
- a minimum of 90 hours of work experience for full credit as one of the program courses WEX12

### STUDENTS IN WORK EXPERIENCE PROGRAMS

- explore their potential with on-the-job experience
- acquire the knowledge, skills, and attitudes required for employment in a number of related fields
- meet entrance requirements for similar programs offered at post secondary institutions.

Our school programs prepare and provide opportunities for students to develop skills essential to the workplace. Work experience sponsors have indicated that the most highly valued character traits are communication skills and interpersonal skills. Besides promoting these two prominent skills, Work Experience students are also guided towards the development of coping and decision-making skills, ethical and behavioural standards, and accountability. Students are evaluated on a large number of characteristics, many of which are not appraised in the regular classroom; appropriate grooming, attitude, organization, competency, confidence, conscientiousness, cooperation, dependability, friendliness, quality of work, reliability, and responsibility.

### CERTIFICATION

Upon completion of the Work Experience Program the student receives the Work Experience Program Specialty Certificate, 4 course credits and a final course mark. Students wishing to proceed to trades programs at BCIT will be able to submit a special work experience application form and be considered for early registration. See your counsellor for details.



## VANCOUVER DISTRICT PROGRAMS

Please visit the Vancouver Board of Education website, [www.vsb.bc.ca](http://www.vsb.bc.ca) and click on “District Programs” for a comprehensive list of alternate schools and trade programs.

### 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 choice of 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 successful completion of 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 located 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 (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.

- 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>

## Youth TRAIN in Trades Programs:

The Vancouver School Board offers district programs for students to pursue industry certification or the first level of a skilled trades training program. These programs help students lower costs (free tuition) and offer a jump start for students in grade 11 or 12. The benefits include:

- Dual credit with post-secondary institution (most programs)
- Head start with Foundation trades training
- Registration with SkilledTradesBC
- Potential direct lead into an apprenticeship
- Work experience in the trade

For more information and to download an application form, please visit the VSB Career Programs website – [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca). The site includes links to Youth TRAIN in Trades information, a PDF brochure for each program, and the application package. For additional detailed information about more than 100 regulated skilled trades and endorsements, visit the Skilled Trades BC website – [skilledtradesbc.ca](http://skilledtradesbc.ca).

Successful completion of a Youth TRAIN in Trades program provides students with a Level 1 technical training credential or a Certificate of Completion from Skilled Trades BC. With additional training and required work experience, students can progress toward earning a Certificate of Qualification or a Red Seal endorsement in their chosen skilled trade.

The following is a list of programs commonly available through Career Programs. Please contact Career Programs directly to determine if Career Programs can accommodate students interested in other trades.

Program	Training Program Institution	Graduation Credits Earned	Standard Class Schedule	Application Due	Program Start Month(s)
Aircraft Maintenance Engineer – M license	BCIT	16	Mon–Fri	March 1	August January
Auto Collision and Refinishing	VCC	32	Mon–Fri	March 1	September February
Auto Service Technician	Britannia	20	Mon–Fri, Semester 2	March 1	February
Baking and Pastry Arts	VCC	24	Mon–Thurs (afternoon/evening)	March 1	July
Bricklayer	Trowel Trades Training Assoc.	8	Mon–Fri	March 1	Various
Cabinetmaking	BCIT	24	Mon–Fri	March 1	August February
Carpentry	BCIT	20	Mon–Fri	March 1	July February
Cook	VCC	28	Mon–Fri	March 1	Various
Electrical	BCIT	24	Mon–Fri	March 1	August October February March
Hairstylist	VCC	48	Mon–Wed 8:00am – 6:00pm	March 1	September
Heavy Mechanical Trades	VCC	28	Mon–Thurs	March 1	Various
Metal Fabrication	BCIT	20	Mon–Fri	March 1	February
Millwright	BCIT	20	Mon–Fri	March 1	September February

Motorcycle Technician	BCIT	20	Mon–Fri	March 1	September February
Painting & Decorating	Finishing Trades Institute of BC	4	Mon–Fri	March 1	June
Plumbing or Sprinkler Fitting	Piping Industry College of BC	8	Mon–Fri	December 1	June

## Youth WORK in Trades - Apprenticeship

Students with the required skills, aptitude and connections can start an apprenticeship while in high school. Students who are already working or interested in working in a skilled trade can formalize the apprenticeship relationship with their employer. While not all trades are a good fit for work to start without any formal training, several trades allow a student to start a 'Direct Entry' apprenticeship first and follow-up with formal training several months into the apprenticeship.

Students interested in a referral to a potential employer can contact Career Programs for support, construction safety training, and/or assistance with the apprenticeship process.

There are 4 courses (16 credits) available to students whose apprenticeship is registered with Skilled Trades BC by the school district. Enrollment in these courses is required, and coursework primarily consists of going to work and earning hours and a paycheque. Enrollment and registration are done in collaboration with Career Programs staff.

Information and application forms are available on the VSB Career Programs website at [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) ® Our Programs ® Youth WORK in Trades

## Youth EXPLORE Trades Sampler

A Trades Sampler is an exploratory skilled trades program designed for Grade 11 or 12 students seeking a supported transition to full-time apprenticeship and training in a specific skilled trade. Students in the program are introduced to several construction trades, provided with various forms of safety training, and employment readiness skills. This is a program for students who are seeking a more immediate pathway to start working in a skilled trade.

Students in a Trades Sampler program remain attached to their home school for the purpose of graduation but are enrolled in courses as determined by Career Programs staff. In addition to elective credits, students should expect to be enrolled in additional graduation course requirements.

Trades Sampler program offerings can change from year to year but typically include a program at a VSB high school and the Trades Discovery program at BCIT. For more information or to obtain an application, please visit the VSB Career Programs website.

## DUAL CREDIT PROGRAMS

These programs, in partnership with post-secondary institutions, provide the opportunity for students to get a head start on a post-secondary credential. Students save money (tuition paid by VSB) and earn high school and post-secondary credits at the same time. This includes both skilled trades and non-trade career pathways.

All students applying for a Dual Credit program, including Youth TRAIN in Trades programs, should register at their home school with a full course load. The Career Programs team will work with schools to accommodate any necessary changes to a student's timetable if the student is accepted into a Career Programs pathway.

### Architectural & Structural CADD and Graphics Technician

This program offers two areas of specialization: Architectural CADD and Graphics Technician **or** Structural CADD and Graphics Technician. These programs offer training for a variety of applications in architecture, building construction, and industrial applications.

Training Program Institution – BCIT  
Program length – 10 months (September to June)  
Graduation credits earned – 40  
Application Due Date – March 1  
Program Start Month – September

Additional information and application form can be found on the VSB Career Programs website at [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) ® Our Programs ® Architectural CADD

### Early Childhood Educator

This career path involves working with young children from birth to age five. Early Childhood Educators design and deliver educational programs to support children's learning and growth. This program can lead to further studies earning a diploma or bachelor's degree in ECE.

Training Program Institution – Langara College  
Program length – 8 months  
Graduation credits earned – 28  
Application Due Date – March 1  
Program Start Month – September

Additional information and application form can be found on the VSB Career Programs website at [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) ® Our Programs ® Early Childhood Educator

### Emergency Medical Responder

Certification as an Emergency Medical Responder is the first step to becoming a primary care paramedic or pursuing a career in paramedicine.

Training Program Institution – Justice Institute of British Columbia  
Program length – 5 weeks plus Work Experience  
Graduation credits earned – 12  
Application Due Date – March 1  
Program Start Month – February

Additional information and application form can be found on the VSB Career Programs website at [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) ® Our Programs ® Emergency Medical Responder

## Headstart-in-Art

This art foundation program explores creative process, the realms of imagination, and art & design practices. Students who earn 80% or higher in the program may receive a portfolio waiver should they apply to an undergraduate degree at Emily Carr University of Art+Design.

Training Program Institution – Emily Carr University of Art+Design  
Program length – 12 weeks (Saturdays from September to December)  
Graduation credits earned – 8  
Application Due Date – March 1  
Program Start Month – September

Additional information and application form can be found on the VSB Career Programs website at [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) ® Our Programs ® Headstart-in-Art

## 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).

Training Program Institution – Vancouver Community College  
Program length – 28 weeks (September to April)  
Graduation credits earned – 36  
Application Due Date – December 1  
Program Start Month – September

Additional information and application form can be found on the VSB Career Programs website at [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) ® Our Programs ® Healthcare Assistant

## Medical Laboratory Assistant

Medical Lab Assistants collect and prepare blood and other biological samples, perform electrocardiograms (ECG), and communicate effectively with patients and other healthcare providers.

Training Program Institution – Vancouver Community College  
Program length – 8 months (January to August)  
Graduation credits earned – 36  
Application Due Date – December 1  
Program Start Month – January

Additional information and application form can be found on the VSB Career Programs website at [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) → Our Programs → Medical Lab Assistant

## Pharmacy Technician

Students will learn to safely and accurately prepare and distribute pharmaceutical products, promote patient health, and communicate with health care professionals in a community or hospital pharmacy.

Training Program Institution – Vancouver Community College  
Program length – 12 months  
Graduation credits earned – 16  
Application Due Date – December 1  
Program Start Month – January

Additional information and application form can be found on the VSB Career Programs website at [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) ® Our Programs ® Pharmacy Technician

## SCHOOL-BASED PROGRAMS

### IT and CISCO Networking Program – Killarney Secondary

Students will diversify and enhance their computer knowledge by building a computer, installing software and connecting the computer to networks and to the internet. This hands-on program takes place in a computer lab space. Students can opt to complete industry-recognized certification exams during the program.

Program Length – Semester 2 of grade 12

Graduation credits earned – 16 credits

Application Due Date – March 1

Program Start Month – February

Additional information and application form can be found on the VSB Career Programs website at [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) ® Our Programs ® CISCO

## GRADE 8 & 9 PROGRAM REQUIREMENTS

### Grade 8

Students in Grade 8 take eight courses. Required courses are:

- English 8
- Social Studies 8
- Mathematics 8
- Science 8
- Physical and Health Education 8
- French 8
- Applied Skills 8 (a rotation of Home Economics 8, Technical Studies 8 & Business Education 8)
- Band 8 or Fine Arts 8 (a rotation of Art 8 & Drama 8)
- Career Education 8

### Grade 9

Students in Grade 9 take eight courses. Required courses are:

- English 9
- Social Studies 9
- Mathematics 9
- Science 9
- Physical and Health Education 9
- Electives (4 semestered courses from Applied Skills or Fine Arts or Band)
- Career Education 9

## GRADUATION PROGRAM REQUIREMENTS

All students can find Graduation Requirements here: <https://curriculum.gov.bc.ca/graduation-info>

Post-secondary institutions require students to complete specific courses to get into certain programs. All students need to keep in mind the requirements of any post-secondary programs in which they may be interested.

### For Students in Grades 10-12

To graduate, students require 80 credits total, with a minimum of 16 at the grade 12 level and 28 elective course credits. 52 credits are required from the following:

- |   |              |
|---|--------------|
| ▪ Language Arts 10  | (4 credits)  |
| ▪ Language Arts 11  | (4 credits)  |
| ▪ Language Arts 12  | (4 credits)  |
| ▪ Social Studies 10   | (4 credits)  |
| ▪ Social Studies 11 or 12   | (4 credits)  |
| ▪ Science 10  | (4 credits)  |
| ▪ Science 11 or 12  | (4 credits)  |
| ▪ Mathematics 10  | (4 credits)  |
| ▪ Mathematics 11 or 12  | (4 credits)  |
| ▪ Physical Education 10   | (4 credits)  |
| ▪ Arts Education or Applied Design,<br>Skills and/or Technologies Skills 10, 11, 12 | (4 credits)  |
| ▪ Two Career Education courses*   | (8 credits)  |
| ▪ Elective Courses  | (28 credits) |

\* Planning 10 and Graduation Transitions are replaced with Career Life Education 10 and Career Life Connections + Capstone 12.

\*\* Provincial examinations are replaced with stand-alone (not tied to any course) Provincial Numeracy and Literacy Assessments.

#### **Grades 10 -12 students will:**

- Follow 2018 Graduation program requirements
- Write a provincial numeracy assessment (suggested in Grade 10 year) and two provincial literacy assessments before graduation (suggested in Grade 10 and Grade 12 years)\*
- Complete Career Life Education 10 and Career Life Connections + Capstone 12.
- Complete at least 4 credits in Indigenous focused course work (effective 2023-2024 school year)

*\* These assessments will be arranged by the school. Students will be registered automatically in grades 10 and 12. These assessments will be written in November, January, April or June*

## POST SECONDARY ADMISSION REQUIREMENTS

Students, with parental guidance and counsellor assistance, are responsible for checking current calendars, websites and other publications with regard to any changes that may affect their plans for further education. Students are responsible for obtaining and carefully completing appropriate application forms, meeting the stated deadlines, and other admission requirements and criteria. Some local post secondary application forms are available in the school, although on-line application is strongly recommended. Website addresses are listed below.

If your first language is not English, post secondary institutions may require that you provide evidence of English language proficiency by writing the “Test of English As a Foreign Language” (TOEFL). See the individual post secondary institution calendars for details. Information on TOEFL is available in the Career Centre or on the website below.

## Post Secondary References

- Apply to several BC post secondary schools on-line: <http://www.pas.bc.ca>
- For a list of schools in Ontario, and to apply to most Ontario post secondary institutes visit [www.compass.ouac.on.ca](http://www.compass.ouac.on.ca) (Ontario Post Secondary Application Service)
- SAT and US Post Secondary Information: [www.collegeboard.com](http://www.collegeboard.com)
- Test of English as a Foreign Language: [www.toefl.org](http://www.toefl.org)
- Grad Planner 2004, provincial examinations, transcripts and scholarship: [www.bced.gov.bc.ca/graduation](http://www.bced.gov.bc.ca/graduation)
- BC’s education planning website: [www.educationplanner.bc.ca](http://www.educationplanner.bc.ca)
- The purpose of the Language Proficiency Index (LPI) is to provide information about an individual’s competency in English. This information is used primarily by post-secondary institutions and professional organizations within British Columbia: [www.ares.ubc.ca/LPI/index.html](http://www.ares.ubc.ca/LPI/index.html)
- Information on the different programs offered at Canadian, American and International schools: [www.schoolfinder.com](http://www.schoolfinder.com)
- BC Council on Admissions & Transfer (this is a must if you are planning on transferring from college to university): [www.bccat.bc.ca](http://www.bccat.bc.ca)
- This site provides Canada’s largest course-to-course transfer database, with information on thousands of courses and their transfer potential: [www.bctransferguide.ca](http://www.bctransferguide.ca)

## Career Planning and Labour Market Information

- This website and the information resource guide were designed to steer users toward an array of selected career learning and labour market information (LMI) sources and tools, handpicked by knowledgeable practitioners: [www.whatskey.org](http://www.whatskey.org)
- *Guide to the BC Economy and Labour Market* is an excellent source of information about historical and current trends, as well as the long-term outlook for the provincial economy and the labour: [www.guidetobceconomy.org](http://www.guidetobceconomy.org)
- BC Occupational Outlooks: [www.workfutures.bc.ca](http://www.workfutures.bc.ca)
- Ministry of Education career planning section website: [www.bced.gov.bc.ca/careers/planning](http://www.bced.gov.bc.ca/careers/planning)
- Ministry of Advanced Education: [www.aved.gov.bc.ca](http://www.aved.gov.bc.ca)
- The site features information on: job descriptions, skill requirements, employment prospects, wages and salaries, lists of potential employers and where to get training: [www.labourmarketinformation.ca](http://www.labourmarketinformation.ca)
- BC Stats site features information on BC population, the economy, labour force, employment and earnings: [www.bcstats.gov.bc.ca/index.htm](http://www.bcstats.gov.bc.ca/index.htm)
- BC Work Info Net: [www.workinonet.bc.ca/youth](http://www.workinonet.bc.ca/youth)



- This site provides the latest information on the Canadian labour market, including current labour market conditions and economic forecasts for 226 occupational groups: [www.jobfutures.ca](http://www.jobfutures.ca)
- How about this comprehensive, fun and informative site including labour market, assessment and career information, with a home page which profiles new occupations on a daily basis (to access the information, click on British Columbia, then choose 'Student' or 'Professional': [www.careerexplorer.net](http://www.careerexplorer.net)
- Career Cruising (Username: Vancouver / Password: technical): [www.careercruising.com](http://www.careercruising.com)
- Bridges web free service provides access to updated career-related news, conferences, online resources and organizations. It contains free online subscription to the latest career development information and timely labour market articles: [www.bridges.com](http://www.bridges.com)

## Scholarships, Loans and Bursaries Information

- National Student Loan Website, sponsored by the Federal Government of Canada: [www.canlearn.ca](http://www.canlearn.ca)
- Information about awards throughout Canada: [www.studentawards.com](http://www.studentawards.com)
- Entrance Scholarship Directory, up to 60,000 scholarships listed: [www.scholarshipscanada.com](http://www.scholarshipscanada.com)
- Guide to financial aid, primarily US links: [www.finaid.org](http://www.finaid.org)
- Ministry of Education sites and links: [www.bced.gov.bc.ca/awards](http://www.bced.gov.bc.ca/awards)
- Scholarship search based on deadlines and school districts: [www.bcawardsonline.sd61.bc.ca](http://www.bcawardsonline.sd61.bc.ca)
- Scholarship search sponsored by Monster: [www.fastweb.monster.com](http://www.fastweb.monster.com)
- BC awards for athletics and sports: [www.bcschoolsports.ca/pages/links.php](http://www.bcschoolsports.ca/pages/links.php)
- Listings of scholarships and exchange programs in Canada: [www.aucc.ca](http://www.aucc.ca)
- Canadian Merit Scholarship Foundation: [www.cmsf.ca](http://www.cmsf.ca)
- National Adult Literacy Database: [www.nald.ca](http://www.nald.ca)
- Sponsored by Human Resources Development Canada, information on Student Loans: [www.hrsdc.gc.ca/en/home/shtml](http://www.hrsdc.gc.ca/en/home/shtml)
- US Scholarship site: [www.apps.absolutelyscholarships.com](http://www.apps.absolutelyscholarships.com)
- College Board Scholarship Search (primarily US information): [www.collegeboard.com/?student](http://www.collegeboard.com/?student)
- US Scholarship site: [www.collegeboard.com](http://www.collegeboard.com)

## Public Colleges & Universities in B.C.

- British Columbia Institute of Technology (BCIT): [www.bcit.ca](http://www.bcit.ca)
- Camosun College (Victoria): [www.camosun.bc.ca](http://www.camosun.bc.ca)
- Capilano College: [www.capcollege.bc.ca](http://www.capcollege.bc.ca)
- College of the Rockies (Cranbrook): [www.cotr.bc.ca](http://www.cotr.bc.ca)
- College of New Caledonia (Prince George): [www.cnc.ba.ca](http://www.cnc.ba.ca)
- Douglas College: [www.douglas.bc.ca](http://www.douglas.bc.ca)
- Emily Carr Institute of Art + Design: [www.eciad.bc.ca](http://www.eciad.bc.ca)
- All Nations Institute: (First Nations College) [www.all-nations.ca](http://www.all-nations.ca)
- Kwantlen University College: [www.kwantlen.bc.ca](http://www.kwantlen.bc.ca)
- Langara College: [www.langara.bc.ca](http://www.langara.bc.ca)
- Malaspina University College (Nanaimo): [www.mala.bc.ca](http://www.mala.bc.ca)
- Nicola Valley Institute of Technology (Merritt): [www.nvit.bc.ca](http://www.nvit.bc.ca)
- North Island College (Courtney): [www.nic.bc.ca](http://www.nic.bc.ca)
- Northern Lights College (Dawson Creek): [www.nlc.bc.ca](http://www.nlc.bc.ca)
- Northwest Community College (Terrace): [www.nwcc.bc.ca](http://www.nwcc.bc.ca)
- Okanagan College (Kelowna): [www.okanagan.bc.ca](http://www.okanagan.bc.ca)
- Royal Roads University (Victoria): [www.royalroads.ca](http://www.royalroads.ca)

- Selkirk College (Castlegar): [www.selkirk.bc.ca](http://www.selkirk.bc.ca)
- Simon Fraser University: [www.sfu.ca](http://www.sfu.ca)
- Thompson Rivers University: [www.tru.ca](http://www.tru.ca)
- Trinity Western University: [www.twu.ca](http://www.twu.ca)
- University of BC: [www.ubc.ca](http://www.ubc.ca)
- University of BC Okanagan Campus: [www.okanagan.ubc.ca](http://www.okanagan.ubc.ca)
- University Canada West: [www.universitycanadawest.ca](http://www.universitycanadawest.ca)
- University College of the Fraser Valley (Abbotsford): [www.ucfv.bc.ca](http://www.ucfv.bc.ca)
- University of Northern BC (Prince George): [www.unbc.ca](http://www.unbc.ca)
- University of Victoria: [www.uvic.ca](http://www.uvic.ca)
- Vancouver Community College: [www.vcc.bc.ca](http://www.vcc.bc.ca)
- Listing of schools in the US visit: [www.collegenet.com](http://www.collegenet.com)
- SAT I and SAT II visit: [www.collegeboard.com](http://www.collegeboard.com)

For a list of schools in Ontario, and to apply to most Ontario post secondary institutes visit [www.compass.ouac.on.ca](http://www.compass.ouac.on.ca) (Ontario Post-Secondary Application Service).

For information and listing of schools in the US visit [www.collegenet.com](http://www.collegenet.com) and [www.collegeboard.com](http://www.collegeboard.com) for information on SAT I and SAT II testing etc.

## COURSE CODES

DEPARTMENT	COURSE CODE	COURSE NAME
Career Programs	MCE--08	CAREER EDUCATION 8
Career Programs	MCE--09	CAREER EDUCATION 9
Career Programs	MCLC-12DA2	CAREER LIFE CONNECTIONS (SUMMIT)
Career Programs	MCLC-12CO1	CAREER LIFE CONNECTIONS 12 (OFF-TIMETABLE)
Career Programs	MCLC-12	CAREER LIFE CONNECTIONS 12
Career Programs	MCLE-10	CAREER LIFE EDUCATION 10
Career Programs	MCLE-10CO1	CAREER LIFE EDUCATION 10 (OFF-TIMETABLE)
Career Programs	YCPM-1D	COMMUNITY SERVICE 11
Career Programs	YCPM-1DDA	COMMUNITY SERVICE 11: LIBRARY SERVICES (1ST YEAR)
Career Programs	YBMO-1B	LIBRARY STUDIES 11 (2ND YEAR)
Career Programs	YPA--0A	MENTAL HEALTH LEADERSHIP 10 (OFF-TT)
Career Programs	YIPS-2C	MHL H4P TRAINERS (PEER COUNSELLING) 12
Career Programs	YIPS-2B	PEER TUTORING 12
ELL	YESFLOAELL	ACADEMIC STRATEGIES FOR ELL LEARNERS 10
ELL	MCMP510TRN	COMPOSITION 10 (TRANSITIONAL)
ELL	XLDCE09ENT	ELL ENGLISH: TRANSITIONAL (JUNIOR)
ELL	XLDCE10RE3	ELL READING: ADVANCED
ELL	XLDCE10RE1	ELL READING: BEGINNER & INTERMEDIATE
ELL	XLDCE10RE2	ELL READING: INTERMEDIATE
ELL	XLDCE09SST	ELL SOCIAL STUDIES: TRANSITIONAL (JUNIOR)
ELL	XLDCE10SS3	ELL SOCIALS: ADVANCED
ELL	XLDCE10SS1	ELL SOCIALS: BEGINNER & INTERMEDIATE
ELL	XLDCE10SS2	ELL SOCIALS: INTERMEDIATE
ELL	XLDCE10ELC	ELL SUPPORT BLOCK: TRANSITIONAL
ELL	XLDCE10WR3	ELL WRITING: ADVANCED
ELL	XLDCE10WR1	ELL WRITING: BEGINNER & INTERMEDIATE
ELL	XLDCE10WR2	ELL WRITING: INTERMEDIATE
ELL	MLTST10TRN	LITERARY STUDIES 10 (TRANSITIONAL)
ELL	MSS--10TRN	SOCIAL STUDIES 10 (TRANSITIONAL)
English	AELC-12	AP ENGLISH LITERATURE & COMPOSITION 12
English	MCMP510DC1	COMPOSITION 10 (FH CLASSICS)
English	MCMP510	COMPOSITION 10 (G)
English	MCMP510DC2	COMPOSITION 10 (SUMMIT)
English	MCMP511	COMPOSITION 11
English	MCTWR10	CREATIVE WRITING 10 (I)
English	MCTWR11	CREATIVE WRITING 11
English	MCTWR12	CREATIVE WRITING 12
English	MEFLS11	EFP LITERARY STUDIES AND WRITING 11

English	MENFP12	ENGLISH FIRST PEOPLES 12
English	MEN--08	ENGLISH LANGUAGE ARTS 8
English	MEN--08DC1	ENGLISH LANGUAGE ARTS 8 (FH CLASSICS)
English	MEN--08DC2	ENGLISH LANGUAGE ARTS 8 (SUMMIT)
English	MEN--09	ENGLISH LANGUAGE ARTS 9
English	MEN--09DC1	ENGLISH LANGUAGE ARTS 9 (FH CLASSICS)
English	MEN--09DC2	ENGLISH LANGUAGE ARTS 9 (SUMMIT)
English	MENST12	ENGLISH STUDIES 12
English	MENST12ENR	ENGLISH STUDIES 12 (AP DUAL CREDIT)
English	MLTST10DC1	LITERARY STUDIES 10 (FH CLASSICS)
English	MLTST10	LITERARY STUDIES 10 (G)
English	MLTST10DA1	LITERARY STUDIES 10 (H)
English	MLTST10DA2	LITERARY STUDIES 10 (I)
English	MLTST10DC2	LITERARY STUDIES 10 (SUMMIT)
English	MLTST11	LITERARY STUDIES 11
English	MNMD-10	NEW MEDIA 10 (H)
English	MNMD-11	NEW MEDIA 11
English	MNMD-11DC1	NEW MEDIA 11 (FH)
English	YPSYC1A	PSYCHOLOGY 11
English	YPSYC2A	PSYCHOLOGY 12
Fine Arts	A2DP-12	AP 2-D DESIGN PORTFOLIO 12: PHOTOGRAPHY
Fine Arts	ASAD-12	AP STUDIO ART 12: DRAWING
Fine Arts	MVAST11	ART STUDIO 11
Fine Arts	MVAST12	ART STUDIO 12
Fine Arts	MMUCH10	CHORAL MUSIC 10: CHAMBER CHOIR (OFF-TT)
Fine Arts	MMUCC10	CHORAL MUSIC 10: CONCERT CHOIR (OFF-TT)
Fine Arts	MMUCH11	CHORAL MUSIC 11: CHAMBER CHOIR (OFF-TT)
Fine Arts	MCMCC11	CHORAL MUSIC 11: CONCERT CHOIR (OFF-TT)
Fine Arts	MMUCH12	CHORAL MUSIC 12: CHAMBER CHOIR (OFF-TT)
Fine Arts	MCMCC12	CHORAL MUSIC 12: CONCERT CHOIR (OFF-TT)
Fine Arts	MDRDS11	DIRECTING AND SCRIPT DEVELOPMENT 11
Fine Arts	MDRDS12	DIRECTING AND SCRIPT DEVELOPMENT 12
Fine Arts	MDRM-10	DRAMA 10
Fine Arts	MDRM-11	DRAMA 11
Fine Arts	MDRM-12	DRAMA 12
Fine Arts	MDR--08	DRAMA 8
Fine Arts	MDR--08CO1	DRAMA 8: THEATRE COMPANY FOCUS
Fine Arts	MDR--09	DRAMA 9
Fine Arts	YVPA-0E	FILM STUDIES 10 (FH)
Fine Arts	FPVA12	FIRST PEOPLES' VISUAL ART 12
Fine Arts	MMUCB10	INSTRUMENTAL MUSIC 10: CONCERT BAND

Fine Arts	MMUJB10	INSTRUMENTAL MUSIC 10: JAZZ BAND
Fine Arts	MMUOR10	INSTRUMENTAL MUSIC 10: ORCHESTRA (OFF-TT)
Fine Arts	MIMCB11	INSTRUMENTAL MUSIC 11: CONCERT BAND
Fine Arts	MIMJB11	INSTRUMENTAL MUSIC 11: JAZZ BAND
Fine Arts	MMUOR11	INSTRUMENTAL MUSIC 11: ORCHESTRA (OFF-TT)
Fine Arts	MIMCB12	INSTRUMENTAL MUSIC 12: CONCERT BAND
Fine Arts	MIMJB12	INSTRUMENTAL MUSIC 12: JAZZ BAND
Fine Arts	MMUOR12	INSTRUMENTAL MUSIC 12: ORCHESTRA (OFF-TT)
Fine Arts	MMU--08BA1	MUSIC 8: BEGINNER BAND
Fine Arts	MMU--08CC1	MUSIC 8: BEGINNER CHOIR (CONCERT-OFF TT)
Fine Arts	MMU--08ST1	MUSIC 8: BEGINNER STRINGS (OFF-TT)
Fine Arts	MMU--08BA3	MUSIC 8: INTERMEDIATE BAND
Fine Arts	MMU--08ST3	MUSIC 8: INTERMEDIATE STRINGS (OFF-TT)
Fine Arts	MMU--09BA1	MUSIC 9: BEGINNER BAND
Fine Arts	MMU--09CC2	MUSIC 9: BEGINNER CHOIR (CHAMBER-OFF TT)
Fine Arts	MMU--09CC1	MUSIC 9: BEGINNER CHOIR (CONCERT-OFF TT)
Fine Arts	MMU--09ST1	MUSIC 9: BEGINNER STRINGS (OFF-TT)
Fine Arts	MMU--09BA3	MUSIC 9: INTERMEDIATE BAND
Fine Arts	MMU--09ST3	MUSIC 9: INTERMEDIATE STRINGS (OFF-TT)
Fine Arts	MMU--09ST4	MUSIC 9: SENIOR STRINGS (OFF-TT)
Fine Arts	MVAPH11	PHOTOGRAPHY 11
Fine Arts	MVAPH12	PHOTOGRAPHY 12
Fine Arts	MVAC-11	STUDIO ARTS 11: CERAMICS & SCULPTURE
Fine Arts	MVAD-11	STUDIO ARTS 11: DRAWING & PAINTING
Fine Arts	MVAC-12	STUDIO ARTS 12: CERAMICS & SCULPTURE
Fine Arts	MVAD-12	STUDIO ARTS 12: DRAWING & PAINTING
Fine Arts	MVAC-10	STUDIO ARTS 3D 10: CERAMICS & SCULPTURE
Fine Arts	MDRTC10	THEATRE COMPANY 10
Fine Arts	MDRTC11	THEATRE COMPANY 11
Fine Arts	MDRTC12	THEATRE COMPANY 12
Fine Arts	MDR--09CO1	THEATRE COMPANY 9
Fine Arts	MDRTP11	THEATRE PRODUCTION 11
Fine Arts	MDRTP12	THEATRE PRODUCTION 12
Fine Arts	MVAM-10	VIDEO PRODUCTION 10
Fine Arts	MVAMT11	VIDEO PRODUCTION 11
Fine Arts	MVAMT12	VIDEO PRODUCTION 12
Fine Arts	MVA--09MA1	VIDEO PRODUCTION 9
Fine Arts	MVAST10	VISUAL ARTS 10: ART STUDIO
Fine Arts	MVAD-10	VISUAL ARTS 10: DRAWING AND PAINTING
Fine Arts	MVA--08	VISUAL ARTS 8
Fine Arts	MVA--08DC1	VISUAL ARTS 8 (FH)

Fine Arts	MVA--09DC1	VISUAL ARTS 9 (FH)
Fine Arts	MVA--09CR1	VISUAL ARTS 9: CERAMICS & SCULPTURE
Fine Arts	MVA--09	VISUAL ARTS 9: GENERAL ART
Fine Arts	MMUVJ10	VOCAL JAZZ 10
Fine Arts	MCMJV11	VOCAL JAZZ 11
Fine Arts	MCMJV12	VOCAL JAZZ 12
French Immersion	FCLE-10	ÉDUCATION À LA VIE PROFESSIONNELLE 10
French Immersion	FINST12	ÉTUDES AUTOCHTONES CONTEMPORAINES 12
French Immersion	FADRF08	FI COMMUNICATION 8
French Immersion	FADRF09	FI COMMUNICATION 9
French Immersion	FFRAL10	FRANÇAIS LANGUE SECONDE-IMMERSION 10
French Immersion	FFRAL12	FRANÇAIS LANGUE SECONDE-IMMERSION 12
French Immersion	FFRAL08	FRANÇAIS LANGUE SECONDE-IMMERSION 8
French Immersion	FFRAL09	FRANÇAIS LANGUE SECONDE-IMMERSION 9
French Immersion	YFIPS1A	FRENCH IMMERSION PEER TUTORING 11
French Immersion	XSPBK08	FRENCH IMMERSION SUPPORT BLOCK
French Immersion	FWH--12	HISTOIRE DU MONDE AU XXe SIÈCLE 12
French Immersion	FSJF-12	JUSTICE SOCIALE 12
French Immersion	FLCF-11	LANGUE ET CULTURE DE LA FRANCOPHONIE 11
French Immersion	FSCF-10	SCIENCES 10
French Immersion	FSCF-08	SCIENCES 8
French Immersion	FSCF-09	SCIENCES 9
French Immersion	FSCH-10	SCIENCES HUMAINES 10
French Immersion	FSCHF08	SCIENCES HUMAINES 8
French Immersion	FSCHF09	SCIENCES HUMAINES 9
Home Economics	MCUL-10	CULINARY ARTS 10
Home Economics	MCUL-11	CULINARY ARTS 11
Home Economics	MCUL-12	CULINARY ARTS 12
Home Economics	MFIND12	FASHION DESIGN 12
Home Economics	MFOOD10	FOOD STUDIES 10
Home Economics	MFOOD11	FOOD STUDIES 11
Home Economics	MFOOD12	FOOD STUDIES 12
Home Economics	MADFS09	FOOD STUDIES 9
Home Economics	MTXT-10	TEXTILES 10
Home Economics	MTXT-11	TEXTILES 11
Home Economics	MTXT-12	TEXTILES 12
Home Economics	MADT-08	TEXTILES 8
Home Economics	MADT-09	TEXTILES 9
Mathematics	ACAL-12	AP CALCULUS 12
Mathematics	ASTA-12	AP STATISTICS 12
Mathematics	MAPPR12	APPRENTICESHIP MATHEMATICS 12

Mathematics	MCALC12	CALCULUS 12
Mathematics	MFMP-10	FOUNDATIONS OF MATH AND PRE-CALCULUS 10
Mathematics	MFMP-10DC2	FOUNDATIONS OF MATH AND PRE-CALCULUS 10 (SUMMIT)
Mathematics	MFOM-11	FOUNDATIONS OF MATHEMATICS 11
Mathematics	MFOM-12	FOUNDATIONS OF MATHEMATICS 12
Mathematics	MMA--08	MATHEMATICS 8
Mathematics	MMA--09	MATHEMATICS 9
Mathematics	MMA--09DC2	MATHEMATICS 9 (SUMMIT)
Mathematics	MPREC11	PRE-CALCULUS 11
Mathematics	MPREC11DC2	PRE-CALCULUS 11 (SUMMIT)
Mathematics	MPREC12	PRE-CALCULUS 12
Mathematics	MPREC12DC2	PRE-CALCULUS 12 (SUMMIT)
Mathematics	MSTAT12	STATISTICS 12
Mathematics	MWPM-10	WORKPLACE MATHEMATICS 10
Mathematics	MWPM-11	WORKPLACE MATHEMATICS 11
Modern Languages	MFR--10	FRENCH 10
Modern Languages	MFR--11	FRENCH 11
Modern Languages	MFR--12	FRENCH 12
Modern Languages	MFR--08	FRENCH 8
Modern Languages	MFR--09	FRENCH 9
Modern Languages	MBMAN11	INTRODUCTORY MANDARIN 11
Modern Languages	MBSP-11	INTRODUCTORY SPANISH 11
Modern Languages	MMAN-10	MANDARIN 10
Modern Languages	MMAN-11	MANDARIN 11
Modern Languages	MMAN-12	MANDARIN 12
Modern Languages	MMAN-09	MANDARIN 9
Modern Languages	MSP--10	SPANISH 10
Modern Languages	MSP--11	SPANISH 11
Modern Languages	MSP--12	SPANISH 12
Modern Languages	MSP--09	SPANISH 9
Other	PKG--12H	AP BIOLOGY 12 (2 COURSES)
Other	PKG--12I	AP ENGLISH LITERATURE 12 (DUAL CREDIT)
Other	XAT--12STB	CLC 12 STUDY BLOCK
Other	XAT--12DC2	CLC 12 STUDY BLOCK (SUMMIT)
Other	PKG--08I	ELL LEVEL 2 PACKAGE (INTERMEDIATE 2/3)
Other	PKG--08J	ELL LEVEL 3 PACKAGE (ADVANCED 3)
Other	PKG--08H	ELL LEVEL1 PACKAGE (BEGINNER 1/2)
Other	PKG--10M	ELL TRANSITIONAL PACKAGE (GRADE 10, 11, & 12)
Other	PKG--10G	EN 10 (LITERARY STUDIES & COMPOSITION)
Other	PKG--10I	EN 10 (LITERARY STUDIES & CREATIVE WRITING)
Other	PKG--10H	EN 10 (LITERARY STUDIES & NEW MEDIA)

Other	PKG--08C	FLEX HUMANITIES (8 COURSES)
Other	PKG--10B	FLEX HUMANITIES 10 PACKAGE (4 COURSES)
Other	PKG--11	FLEX HUMANITIES 11 PACKAGE (1 COURSE)
Other	PKG--12	FLEX HUMANITIES 12 PACKAGE (1 COURSE)
Other	PKG--09B	FLEX HUMANITIES 9 PACKAGE (4 COURSES)
Other	PKG--08B	FRENCH IMMERSION (7 COURSES)
Other	PKG--10A	FRENCH IMMERSION 10 PACKAGE (4 COURSES)
Other	PKG--11A	FRENCH IMMERSION 11 PACKAGE (2 COURSES)
Other	PKG--12A	FRENCH IMMERSION 12 PACKAGE (1 COURSE)
Other	PKG--09A	FRENCH IMMERSION 9 PACKAGE (4 COURSES)
Other	PKG--09E	GR 8 MAINSTREAM WITH DRAMA TC (8 COURSES)
Other	PKG--09D	LINKS (JUNIOR) 9 PACKAGE (4 COURSES)
Other	PKG--08E	LINKS (JUNIOR) PACKAGE (7 COURSES)
Other	PKG--10D	LINKS (SENIOR) 10 PACKAGE (3 COURSES)
Other	PKG--11B	LINKS (SENIOR) 11 PACKAGE (3 COURSES)
Other	PKG--12B	LINKS (SENIOR) 12 PACKAGE (3 COURSES)
Other	PKG--08AD	MAINSTREAM WITH BEGINNER BAND (8 COURSES)
Other	PKG--08A	MAINSTREAM WITH VISUAL ARTS (8 COURSES)
Other	XAT--12	STUDY BLOCK 12
Other	PKG--10C	SUMMIT 10 PACKAGE (4 COURSES)
Other	PKG--11C	SUMMIT 11 PACKAGE (1 COURSE)
Other	PKG--12C	SUMMIT 12 PACKAGE (1 COURSE)
Other	PKG--09C	SUMMIT 9 PACKAGE (4 COURSES)
Other	PKG--08DM	SUMMIT WITH BEGINNER BAND (8 COURSES)
Other	PKG--08D	SUMMIT WITH VISUAL ARTS (8 COURSES)
Physical Education	MACLV11	ACTIVE LIVING 11
Physical Education	MACLV11G--	ACTIVE LIVING 11 (GIRLS)
Physical Education	MACLV11ILD	ACTIVE LIVING 11 (SOCCER)
Physical Education	MACLV12	ACTIVE LIVING 12
Physical Education	MACLV12G--	ACTIVE LIVING 12 (GIRLS)
Physical Education	MACLV12ILD	ACTIVE LIVING 12 (SOCCER)
Physical Education	YLRA-1B	ATHLETE DEVELOPMENT 11: VOLLEYBALL
Physical Education	YLRA-2F	ATHLETE DEVELOPMENT 12: VOLLEYBALL
Physical Education	MFTCD11SC1	FITNESS & CONDITIONING 11: SOCCER
Physical Education	MFTCD12SC1	FITNESS & CONDITIONING 12: SOCCER
Physical Education	MFTCD11	FITNESS AND CONDITIONING 11
Physical Education	MFTCD12	FITNESS AND CONDITIONING 12
Physical Education	YHRA-1A	LEADERSHIP 11
Physical Education	YHRA-2A	LEADERSHIP 12
Physical Education	MODED11	OUTDOOR EDUCATION 11
Physical Education	MODED12	OUTDOOR EDUCATION 12



Physical Education	MPHED10	PHYSICAL AND HEALTH EDUCATION 10
Physical Education	MPHE-08	PHYSICAL AND HEALTH EDUCATION 8
Physical Education	MPHE-09	PHYSICAL AND HEALTH EDUCATION 9
Physical Education	YLRA-1A	YOGA & WELLNESS 11
Physical Education	YLRA-2A	YOGA & WELLNESS 12
Science	ABIO-12	AP BIOLOGY 12
Science	MLFSC11	BIOLOGY 11: LIFE SCIENCES
Science	MATPH12	BIOLOGY 12: ANATOMY AND PHYSIOLOGY
Science	MATPH12DA1	BIOLOGY 12: ANATOMY AND PHYSIOLOGY (AP)
Science	MCH--11	CHEMISTRY 11
Science	MCH--11DC2	CHEMISTRY 11 (SUMMIT)
Science	MCH--12	CHEMISTRY 12
Science	MPH--11	PHYSICS 11
Science	MPH--12	PHYSICS 12
Science	MSC--10	SCIENCE 10
Science	MSC--10DC2	SCIENCE 10 (SUMMIT)
Science	MSC--08	SCIENCE 8
Science	MSC--09	SCIENCE 9
Science	MSC--09DC2	SCIENCE 9 (SUMMIT)
Science	MSCCT11	SCIENCE FOR CITIZENS 11
Social Studies	MWH--12	20TH CENTURY WORLD HISTORY 12
Social Studies	YSSC-2A	AFRICAN DESCENT HISTORY IN BC 12 (OFF-TT)
Social Studies	MASIA12	ASIAN STUDIES 12
Social Studies	MBCFP12	BC FIRST PEOPLES 12
Social Studies	MPHIL12DC1	CLASSICS 12 (FH)
Social Studies	MCMCL12	COMPARATIVE CULTURES 12
Social Studies	MINST12	CONTEMPORARY INDIGENOUS STUDIES 12
Social Studies	MECT-12	ECONOMIC THEORY 12
Social Studies	FINST12	ÉTUDES AUTOCHTONES CONTEMPORAINES 12
Social Studies	MLST-12	LAW STUDIES 12
Social Studies	FBCFP12	PEUPLES AUTOCHTONES DE LA C.-B. 12
Social Studies	MPHIL12	PHILOSOPHY 12
Social Studies	MPLST12	POLITICAL STUDIES 12
Social Studies	YSSC-2B	QUEER & TRANS HISTORY OF BC 12
Social Studies	MSJ--12	SOCIAL JUSTICE 12
Social Studies	MSS--10	SOCIAL STUDIES 10
Social Studies	MSS--10DC1	SOCIAL STUDIES 10 (FH HISTORY)
Social Studies	MSS--10DC2	SOCIAL STUDIES 10 (SUMMIT)
Social Studies	MSS--08	SOCIAL STUDIES 8
Social Studies	MSS--08DC1	SOCIAL STUDIES 8 (FH HISTORY)
Social Studies	MSS--08DC2	SOCIAL STUDIES 8 (SUMMIT)

Social Studies	MSS--09	SOCIAL STUDIES 9
Social Studies	MSS--09DC1	SOCIAL STUDIES 9 (FH HISTORY)
Social Studies	MSS--09DC2	SOCIAL STUDIES 9 (SUMMIT)
Student Services	XSIEP9ADS2	JUNIOR LAC: MODIFIED ENGLISH
Student Services	XSIEP9CDS2	JUNIOR LAC: MODIFIED MATH
Student Services	XSIEP9DDS2	JUNIOR LAC: MODIFIED SCIENCE
Student Services	XSIEP9FDS2	JUNIOR LAC: MODIFIED SOCIAL STUDIES
Student Services	YLE--0A	LEARNING STRATEGIES 10: SKILLS
Student Services	YLE--1A	LEARNING STRATEGIES 11: SKILLS
Student Services	YLE--2A	LEARNING STRATEGIES 12: SKILLS
Student Services	XLDCD09	LEARNING STRATEGIES 8/9: SKILLS
Student Services	XSIEP0BDS3	LS: ACADEMIC SKILLS
Student Services	XSIEP0CDS3	LS: COMMUNITY INTEGRATION
Student Services	XSIEP0DDS3	LS: FINE ARTS
Student Services	XSIEP0EDS3	LS: FOODS & NUTRITION
Student Services	XSIEP0HDS3	LS: GUIDANCE
Student Services	XSIEP0FDS3	LS: JOB PREPARATION
Student Services	XSIEP0GDS3	LS: LEISURE SKILLS
Student Services	XSIEP0ADS3	LS: LIFE SKILLS
Student Services	XSIEP0ADS2	SENIOR LAC: MODIFIED HUMANITIES
Student Services	XSIEP0CDS2	SENIOR LAC: MODIFIED MATH
Student Services	XSIEP0DDS2	SENIOR LAC: MODIFIED SCIENCE
Support Services	XSIEP9FDS3	IEP MODIFIED ELECTIVE
Technology Education	MAC--11	ACCOUNTING 11
Technology Education	MACC-12	ACCOUNTING 12
Technology Education	MTAMJ12	ART METAL AND JEWELLERY 12
Technology Education	MTAUT11	AUTOMOTIVE TECHNOLOGY 11
Technology Education	MTAUT12	AUTOMOTIVE TECHNOLOGY 12
Technology Education	MTEAD12	AUTOMOTIVE TECHNOLOGY 12: ENGINE AND DRIVETRAIN
Technology Education	MADDL08	BUSINESS ED 8
Technology Education	MCMPR11	COMPUTER PROGRAMMING 11
Technology Education	MCMPR12	COMPUTER PROGRAMMING 12
Technology Education	MMACS11	COMPUTER SCIENCE 11
Technology Education	MMACS12	COMPUTER SCIENCE 12
Technology Education	MCSTU10	COMPUTER STUDIES 10
Technology Education	MADIT09	COMPUTER STUDIES 9
Technology Education	MTDRF10	DRAFTING 10
Technology Education	MTDRF11	DRAFTING 11
Technology Education	MTDRF12	DRAFTING 12
Technology Education	MADD-09	DRAFTING 9
Technology Education	MECOM12	E-COMMERCE 12

Technology Education	MEC--12	ECONOMICS 12
Technology Education	MADEM09	ENTREPRENEURSHIP & MARKETING 9
Technology Education	MENT-12	ENTREPRENEURSHIP 12
Technology Education	MTFAC12	FURNITURE AND CABINETRY 12
Technology Education	MCINF11	GAME DESIGN 11
Technology Education	MDMD-12	GAME DESIGN 12
Technology Education	MGRPR11	GRAPHIC PRODUCTION 11 (YEARBOOK)
Technology Education	MGRPR12	GRAPHIC PRODUCTION 12 (YEARBOOK)
Technology Education	MMEDD10	GRAPHICS & MEDIA DESIGN 10
Technology Education	MMEDD10DC1	GRAPHICS & MEDIA DESIGN 10 (FH)
Technology Education	MMEDD11	GRAPHICS & MEDIA DESIGN 11
Technology Education	MMEDD12	GRAPHICS & MEDIA DESIGN 12
Technology Education	MADMA09	GRAPHICS & MEDIA DESIGN 9
Technology Education	MTICD12	INDUSTRIAL CODING AND DESIGN 12
Technology Education	MADMA08DC1	INTERACTIVE ARTS & DESIGN TECHNOLOGY 8 (FH)
Technology Education	MADMA09DC1	INTERACTIVE ARTS & DESIGN TECHNOLOGY 9 (FH)
Technology Education	YIA--0A	JEWELRY ART & DESIGN 10
Technology Education	MMAP-11	MARKETING AND PROMOTION 11
Technology Education	MTMET10	METALWORK 10
Technology Education	MTMET11	METALWORK 11
Technology Education	MTMET12	METALWORK 12
Technology Education	MADM-09	METALWORK 9
Technology Education	MTPOW10	POWER TECHNOLOGY 10
Technology Education	MADPT09	POWER TECHNOLOGY 9
Technology Education	YBMO-2C	RETAIL BUSINESS 10-12
Technology Education	MENR-11	ROBOTICS, ELECTRONICS, & ENGINEERING 11
Technology Education	MENR-12	ROBOTICS, ELECTRONICS, & ENGINEERING 12
Technology Education	MADER09	ROBOTICS, ELECTRONICS, & ENGINEERING 9
Technology Education	MSTX-0ACO1	ROBOTICS, ELECTRONICS, & EXPLORING TRADES 10
Technology Education	MWWK-10	WOODWORK 10
Technology Education	MWWK-11	WOODWORK 11
Technology Education	MWWK-12	WOODWORK 12
Technology Education	MADW-08	WOODWORK 8
Technology Education	MADW-09	WOODWORK 9