

# **COURSE PLANNING GUIDE 2022-2023**



## **Vancouver Technical Secondary School**

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**Welcome to**  
**VANCOUVER TECHNICAL SECONDARY SCHOOL**

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Mr. B. Niek	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.



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# 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 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.

## 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 \$300 - \$350 to cover Camp Fees and various other field trip costs. There is also a Grade 10 trip with an additional cost.

## 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 \$130 (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 31
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.

AP Calculus 12	Page 29
AP English Literature	Page 17
AP Statistics	Page 29
AP Art and Design	Page 52

## 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.

## Spoken Language 10

PKG--10J (Spoken Language with Literary Studies)

Spoken Language 10 is designed to support students in their development of spoken communication through processes of questioning, exploring, and sampling. The course builds students' spoken language competencies by introducing them to varied structures, forms, and styles of oral compositions and by providing opportunities for students to individually and collaboratively study, draft, and use language to create original pieces in a variety of modes. This area of choice will also provide students with opportunities for performance, storytelling, and public speaking.

## 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.

## Spoken Language 11 (Dramatic Arts)

MSPLG11

This English Language Arts course will explore the curricular competencies through drama and other spoken language forms (verse, spoken word, debate). It is designed to support students as they refine, clarify, and adjust their spoken communication through practice and revision. The course provides opportunities for students to study, create, write, and present 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 spoken language genres for a range of situations. They will develop confidence in their abilities as they consolidate their reading, writing, and spoken language skills.

## 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

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, Aboriginal and non-Aboriginal, 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 his/her 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 assignments, and tests & exams. 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.

## SUMMIT

### SUMMIT English 8

MEN--08DC2

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

The Summit English 9 program continues the development started in Grade 8. Using the delete 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

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 will write the provincial exam for this course worth 20% of the student's overall mark. This course enriches the English curriculum through in depth studies based on the Advanced Placement vertical teams approach.

## 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 the Social Studies content area. 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 the Social Studies content area. 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.

## 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 civilisation - 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. 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 - Les Origines du Canada - Chemins de la civilization II

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 Native 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 astronomy. 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 11

FSJF-12

Text: CONTRASTES: DÉBATS ET ENJEUX CANADIENS – OTHER MATERIALS COVERING WORLD CONFLICTS

The curriculum covers: Canada in the Second World War and its geopolitical consequences, Canada from 1945 to 1990, the rise of nationalism in Quebec in the 1960s and 70s, the government and its institutionalized Justice system, human geography and world conflicts. 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.

### 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.

### Français Langue 12

FFRAL12

Through the study, analysis, and comparison of key texts, students will be given the opportunity to explore and compare some of the main ideas underlying the 20th century. They will be able to understand and appreciate the role of story, narrative, and oral tradition in expressing First Peoples' perspectives, values, beliefs, and points of view. Students are regularly expected to present a critical summary of their readings, and write a number of essays. This course is taught entirely in French and students are expected to communicate only in French. Students need to register for it early in the year. This course is only available to students registered in the French Immersion program.

### 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.*

# 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

FR 8 is an introductory course with emphasis on communication and basic elements of French Grammar. Students share 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.

### 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. This course fulfills language requirements for admission to UBC.

### 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 in order to improve their communication skills.

## MANDARIN

### Mandarin 9

MMAN-09

This is an introductory course. Students will first learn the Mandarin phonetic system called **Pinyin** and basic strokes and structures for writing Chinese characters. They will learn basic vocabulary, simple everyday conversations and grammar, and basic Chinese characters and sentence structures. While learning language skills in listening, speaking, reading, and writing, they will gain understanding of Chinese culture through learning about traditional Chinese values and customs such as family relationships and festivals. Guided by the new provincial curriculum, students will explore Chinese, Indigenous and the many other cultures in Canada as well as compare them. This course will also follow the new curriculum to help students develop three core competencies, with respect to Mandarin learning, in communication, critical thinking, and personal and social responsibility.

All students must take a Placement Test to ensure proper placement as it is likely some students have acquired Mandarin skills via different learning channels, and thus may be placed in a higher-level class.



## Mandarin 10

MMAN-10

This is a continuation of the Grade 9 course, gradually extending and enriching the vocabulary, conversations, grammar, and Chinese characters. While learning language skills in listening, speaking, reading, and writing, students will continue to gain understanding of Chinese culture through learning about more cultural elements such as food, arts, and crafts. Guided by the new provincial curriculum, students will explore Chinese, Indigenous and the many other cultures in Canada as well as compare them. This course will also follow the new curriculum to help students develop three core competencies, with respect to Mandarin learning, in communication, critical thinking, and personal and social responsibility.

All students not previously enrolled in Mandarin at Van Tech must take a Placement Test to ensure proper placement as it is likely some students have acquired Mandarin skills via different learning channels, and thus may be placed in a higher-level class.

## Introductory Mandarin 11

MBMAN11

Introductory or Beginning Mandarin 11 is an introductory one-year course for senior students who want to sample another language and have not been able to study Mandarin 9 in Grade 9 or 10. This course may lead to Mandarin 11. Students will first learn the Mandarin phonetic system called **Pinyin**, basic strokes and structures for writing characters, basic vocabulary and conversations, basic grammar, and basic characters. There is a strong emphasis on everyday communication using basic vocabulary and grammar. Guided by the new provincial curriculum, students will explore Chinese, Indigenous and the many other cultures in Canada as well as compare them. This course will also follow the new curriculum to help students develop three core competencies, with respect to Mandarin learning, in communication, critical thinking, and personal and social responsibility. This course fulfills language requirements for admission to SFU.

All students must take a Placement Test to ensure proper placement as it is likely some students have acquired Mandarin skills via different learning channels, and thus may be placed in a higher-level class.

## Mandarin 11

MMAN-11

This course builds on Mandarin 9 and Mandarin 10—students who have passed Beginner Mandarin 11 are also eligible to enroll in this course. It will greatly extend and enrich the vocabulary and grammar with increasing difficulty in the subject matter. While continuing to improve their listening and speaking skills, students are required to recognize and write a certain number of characters for reading and writing purposes at this level. Guided by the new provincial curriculum, students will continue to explore Chinese, Indigenous and the many other cultures in Canada as well as compare them. This course will also follow the new curriculum to help students develop three core competencies, with respect to Mandarin learning, in communication, critical thinking, and personal and social responsibility. This course fulfills language requirements for admission to UBC.

All students must take a Placement Test to ensure proper placement as it is likely some students have acquired Mandarin skills via different learning channels, and thus may be placed in a higher-level class.

## Mandarin 12

MMAN-12

Built on the previous three levels of Mandarin courses, this course will further extend and enrich the vocabulary and grammar with the most difficult level in the subject matter. While continuing to improve their listening and speaking skills, students are required to recognize and write a certain number of characters for reading and writing purposes at this level. More complex grammar and sophisticated composition skills will be emphasized at this level to enable students to attain a high level of oral and written fluency. Guided by the new provincial curriculum, students will continue to explore Chinese, Indigenous and the many other cultures in Canada as well as compare them. This course will also follow the new curriculum to help students develop three core competencies, with respect to Mandarin learning, in communication, critical thinking, and personal and social responsibility.

This course will also support and challenge those students with stronger prior Mandarin skills with opportunities to receive more extensive and in-depth instructions in reading and writing, to think critically and reflectively, and to be positive role models for their classmates.

## 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 grammar and vocabulary.

This course fulfills language requirements for admission to SFU.

### 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. This course fulfills language requirements for admission to UBC.

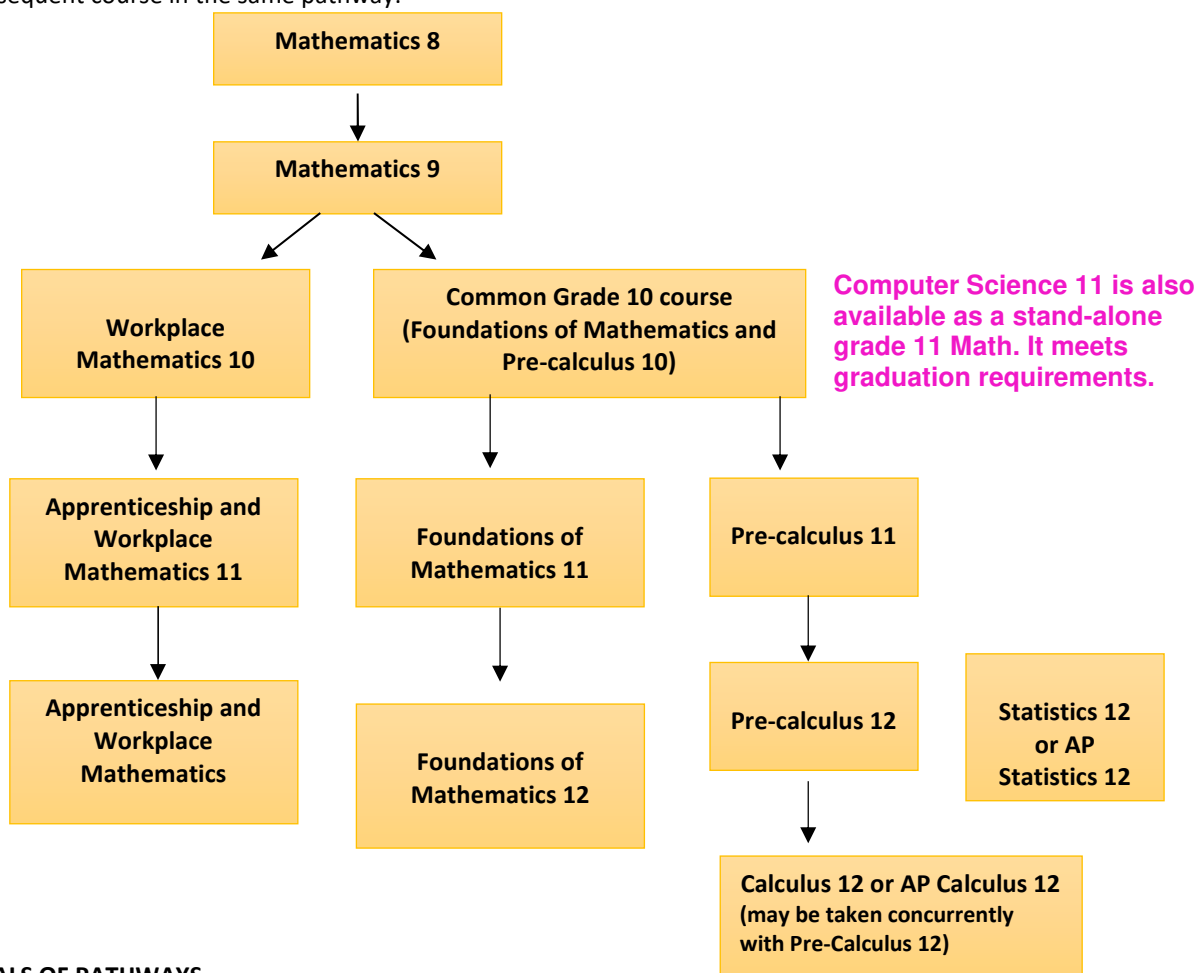
### Spanish 12

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 in order to improve their communication skills.

# 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

Students entering Grade 8 are placed based upon the recommendations of their Grade 7 teacher and/or results obtained on placement testing.

### Mathematics 8

MMA--08

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

### Numeracy 8

MMA--08CO1

This course is designed to support students who have not yet met the curricular competencies of Mathematics 7. It provides students an opportunity to learn and develop the necessary skills and understanding required to be successful in future mathematics courses.

### Mathematics 9

MMA--09

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

### Numeracy 9

MMA--09CO1

This course is designed to support students who have not yet met the curricular competencies of Mathematics 7. It provides students an opportunity to learn and develop the necessary skills and understanding required to be successful in future mathematics courses.

## 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.

## 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: Compared to Calculus 12, this course is faster paced and has four additional chapters of content.

## 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.

## SUMMIT

### SUMMIT Mathematics 8, 9 and 10

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

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

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.

# 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 \$20.

## SUMMIT Science 8, 9 and 10

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

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.

## GRADE 11 & 12

### Specialized Science 12: Astronomy

MSPSC12

Fee: Students will need to spend up to \$35 for materials to build their own simple telescope.

The fundamentals of Astronomy are covered in this survey course. Topics include the history of Astronomy and space exploration; stars, galaxies and the large structure of the universe; cosmological history; dark matter and energy; astrobiology; observational instruments and techniques. There will be a small math component to some aspects of the course.

### Life Sciences 11

MLFSC11

Life Science, 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, nature walks, and dissection activities. Alternate assignments are available for students who do not wish to perform dissections for ethical reasons. The course involves some reading outside of class time.

### Chemistry 11

MCH--11

Fee: Optional workbook (up to \$40).

Topics covered in this course include: Introduction to chemical processes, dimensional analysis, the mole concept, stoichiometric calculations, atomic structure and periodic trends, chemical bonding, solution chemistry, introduction to organic chemistry, and analysis techniques in chemistry. **Students are required to have a scientific calculator.**

## Physics 11

PH--11

Optional BC SNAP Physics workbook (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 concepts to 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 lab and project-based course that covers units such as Forensics, Natural Disasters & Preparedness, Health & Nutrition, Household & Workplace Chemistry, Agriculture, Natural Resources, Climate Change, Materials Science, and Scientific Literacy. Science for Citizens 11 requires regular attendance and participation, as most activities are designed to be completed in class. 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.

## Anatomy and Physiology 12

MATPH12

This challenging course is designed to cover cell biochemistry (which includes biological molecules, reactions, and enzymatics), genetics, and physiology. A good background in chemistry may prove helpful in successfully completing this course. A large portion of this course involves the study of human physiology with an in-depth examination of some of the major systems. The laboratory part of the course includes a major dissection.

## Chemistry 12

MCH--12

Fee: Optional workbook (up to \$40). Optional field expense.

This course builds on students' knowledge and fundamental understanding that they have acquired in Chemistry 11. Through inquiry, laboratory experiments, and project-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.**

## Physics 12

MPH--12

Fee: Optional workbook BC SNAP Physics 12 (up to \$40)

Text: Grade 12 Physics and BC SNAP Physics 12

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 \$30)

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



CLICK HERE

## 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.



CLICK HERE

## BC First Peoples 12

MBCFP12

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. ***This course will be offered in alternate years starting 2021/2022.***



## 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

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. ***This course will be offered in alternate years starting in 2022/2023.***



## African Descent History in British Columbia 12

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

Do you want to know how the world works? How we make choices around scarce resources? Why is wealth power? Economics 12 is your course.

This course takes a fundamental look at one of the key forces that shape our lives: scarcity. We live in a finite world, all of us are forced to make choices about how best to allocate limited resources; this is the starting point of economic thought. At the core economics is not just about money but rather critical thought and problem solving. This course introduces both branches of Economics: Microeconomics -- supply and demand, elasticity, monopoly, etc. and Macro Economics -- banking, money supply and unemployment international trade, and the philosophical lenses that support various economic systems. The history of economic thought from Adam Smith to J.M. Keynes is taught Economics is strongly recommended for anyone who is interested in Business, Law, Commerce, Political Science, International Relations, Globalization and the forces that drive most of what we see and hear in the news. Speakers from the Fraser Institute and the Canadian Centre of Policy Alternatives may be invited to speak to classes and students may participate in panel discussions and debates on economic policies and issues.



## 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. Field trips range from visits to the SFU History Department, workshops at the Vancouver Holocaust Education Centre, and an 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

Law Studies is a fast-paced look at all aspects of the legal system within Canada. There are three mandatory field trips which students are expected to attend. Assignments are aligned with areas of focus and take on many forms (discussions, learning maps, projects, debates). Students will be expected to demonstrate a senior level of writing, critical thinking and participation in class discussions. Law studies provides an introduction to the tools needed to live in a society where law and order guarantee a balance between individual freedoms and the rights of society. Criminal and Civil law will be applied to real cases and form the basis for discussions, role play, and mock trials with the goal of helping students analyze and apply key elements relevant to their own lives. Guest speakers from a variety of legal fields and field trips will further enhance student understanding of legal concepts and will provide insight how the study of law can provide important skills to their own lives.



## 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. If any of this or something like this intrigues you, then Philosophy 12 is course. This course 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.

## SUMMIT

### SUMMIT Social Studies 8

MSS--08DC2

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

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

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.

# APPLIED DESIGN, SKILLS, AND TECHNOLOGIES (ADST)

## BUSINESS EDUCATION

### 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.

### 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

CLICK HERE

### 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 the 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



## Tourism 11 & 12

MTRM-11, MTRM-12

Fee: Year A: \$35 for Serving It Right Certification valid for 5 years, optional;

Fee: Year B: \$60 for Super Host Customer Service Training, optional.

Ideally a 2-year program, alternating Year A and Year B, Tourism is a course designed to explore the factors and influences of tourism and hospitality services and products. Tourism is one of the world's fastest growing industries. Students will learn, practice, and apply employability skills to obtain entry level jobs. They will learn to enhance their communications skills to interact more effectively with local and international tourists and they will learn how to improve human relationships through practicing conflict resolution skills.

YEAR A	YEAR B
Accommodation	Customer Service
Transportation	Event Planning
Food and Beverage Services	Super Host Customer Certification
Serving it Right Certification	

### Skills you will learn:

- Serving It Right Certification
- Learn, practice, and apply employability skills to obtain entry level jobs in tourism
- Organization of self and others, critical thinking, and event planning
- Ability to understand and improve human relationships through resolving conflicts

### Potential Careers:

Airport or Airline Staff	Event Planner and Manager	Bartender and Banquet Servers
Food and Beverage Managers	Hotel and Accommodation Manager	Social Media Manager



CLICK HERE

## 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.

# 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 8: GENERAL EXPLORATIONS (MODULES)	MADGE08
ADST – DRAFTING 9	MADD-09
DRAFTING 10	MTDRF-10
DRAFTING & DESIGN 11	MTDRF11
DRAFTING & DESIGN 12	MTDRF12

**Graphics/Media Design 9-12**

MADMA09, MMEDD10, MMEDD11, MMEDD12

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

## 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

## 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	Chainmail
Drafting and project costing	Engraving and embossing
Critical thinking, problem solving and trouble shooting	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
Jewellery 10	Y1A—0A
Metalwork 10	MTMET10
Metalwork 11	MTMET11
Metalwork 12	MTMET12
Art Metal & Jewellery 12	MTAMJ12

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
Robotics, Electronics & Engineering 10	MTEAR10
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).

## Active Living 11 and 12 (Soccer)

MACLV11S--, MACLV12S—

Active Living Soccer 11 and 12 will be offered in split classes.

Description: This co-ed course is designed to develop soccer skills both technical and tactical. The course will focus on the fundamentals of play including dribbling, passing, shooting, and goalkeeping as well as defensive and offensive strategies. The course will also include sessions introducing the laws of the game (refereeing). Students will be introduced to weight training and conditioning programs that promote physical efficiency. Some of these specific areas for personal growth and development include strength training, plyometrics, agility and balance training.

## 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. Through a variety of classroom instruction and physical activities, this course emphasizes the development of skills and knowledge of fitness, self-image, personal growth, and social well-being. Students will participate in activities that improve flexibility, cardiovascular endurance, muscular strength, body composition, and other activities that emphasize the importance of lifetime health and the benefits gained by maintaining physical fitness.



## 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 \$450. 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 has been developed to introduce high school students to the principles of yoga and wellness activities. This course is a non-denominational, physical course which promotes lifelong fitness and health. Students will experience various styles of yoga, meditation, and relaxation in a safe, supportive, non-competitive learning environment. Physical benefits of yoga and wellness activities include improved muscle tone, strength, flexibility, balance, reduced tension, and improved energy levels. Mental benefits of yoga and wellness activities include stress management, improved concentration, self-awareness and self-discipline.

## Leadership 11/12

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.



CLICK HERE

## 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 good efforts.



### Visual Art 9 – General Art (Semestered)

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 coloured pencils, chalk pastels, felt pens, watercolour crayons, 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 – Drawing/Painting (Semestered)

MVA- -09 DR1

This class is designed to allow students to explore the processes and materials of art making through drawing and painting. Materials may include coloured pencils, chalk pastels, felt pens, watercolour crayons, coloured papers and paint. 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 (Semestered)

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. Artists past and present, their styles and contributions to culture will be presented within projects.

Employability skills: Be creative and innovative in exploring possible solutions, plan, design or carry out a project or task from start to finish with well-defined objectives and recognize your own and other people's good effort.

### 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. Artists past and present, their styles and contributions to culture will be presented within projects.

Employability skills: Be creative and innovative in exploring possible solutions, plan, design or carry out a project or task from start to finish with well-defined objectives and recognize your own and other people's good effort.



## 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. 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. Employability skills: Be creative and innovative in exploring possible solutions, plan, design or carry out a project or task from start to finish with well-defined objectives, recognize and respect people's diversity, individual differences and perspectives.



## 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. Assistance will be given in compiling a portfolio for post-secondary applications.

Employability skills: Be creative and innovative in exploring possible solutions, plan, design or carry out a project or task from start to finish with well-defined objectives and outcomes, recognize and respect people's diversity, individual differences and perspectives.

## 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. 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.

Employability skills: Be creative and innovative in exploring possible solutions, plan, design or carry out a project or task from start to finish with well-defined objectives and outcomes, recognize and respect people's diversity, individual differences and perspectives.



CLICK HERE

## 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.

## PHOTOGRAPHY



CLICK HERE

### 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. 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.

Employability skills: Be creative and innovative in exploring possible solutions, work independently and as part of a team, recognize your own and other people's good efforts.



CLICK HERE

### 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. 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.

Employability skills: 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.

## ADVANCED PLACEMENT ART AND DESIGN

AP Drawing: Studio Art

ASAD-12

AP 2D Art and Design: Photography

A2DP-12

This course is for students who are keenly interested in developing their artistic expression through the creation of a comprehensive portfolio for submission to the College Board. Colleges and universities recognize high scores in AP courses and may grant first year level credit.

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 experience and imagery, artistic response and expression. Artistic authenticity, integrity and originality are emphasized.

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 11 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 2-D Art and Design. Students who enroll in Studio Art 12 compile an AP Drawing Portfolio. Students who enroll in Photography 12 compile a 2-D Art and Design Portfolio. There is a fee for the exam. In the AP Art and Design Program, 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 9

MVA—09MA1

Learn the filmmaking process from story to screen. Write, direct, shoot, act, and edit your own movie! Work collaboratively in teams. For grade 9 students interested in filmmaking. No previous video production skills necessary.

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
- Work Ethic: learning what and how you can effectively contribute independently & within group settings
- Emotional and kinetic learning (learning about your muscles have 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 9 (Quarter 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 (Quarter Semester)

MDR--09C01

Theatre Company is offered as a double quarter-semester or single quarter-semester class. Each quarter semester we produce a different 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: set, props, lighting, sound, costumes, promotion, stage management and in some cases assistant directing. 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, works well with others and are willing and be open to take risks and try new things. There will be some after school rehearsals (what day is best will be discussed with students) and evening performances for the public. Skills: learning to work in the dynamics of small & large groups. team & community building, problem solving, assessing personal strengths & areas of 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 after school



rehearsals for part of the year. 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 & areas of development. 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.

## 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.

## MUSIC



### Band

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

MMU—08BA1, MMU—09BA1

This class is the junior-level band at Van Tech. The course includes an introduction to instrumental music with an emphasis on woodwind and brass instruments. 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

This class is the middle-level band at Van Tech. 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 or 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. 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

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. Students are admitted to the Junior Orchestra at the discretion of the director and are mentored with more experienced members of the orchestra. 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 (Junior Orchestra) (Off Timetable)

MMU—08ST3, MMU—09ST3

This class is the middle-level Orchestra at Van Tech. 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. 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

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. 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

The Concert Choir is open to students in all grades at Van Tech. Learn about proper vocal technique while learning to read music in a 4-part ensemble. Our music will span more than 500 years of rich vocal history including Canadian folk, pop, jazz, sacred and secular genres. Opportunities for group public performances will be available. The class is held off-timetable and regular attendance is critical for success. 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).

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

MMUVJ10, MMUCH11, MMUCH12

This is the premiere choir ensemble at Van Tech. Students will study a variety of traditional and contemporary literature. Genres will include swing, vocal jazz, and other chamber choir literature. This is an auditioned choir and is held off-timetable. In a smaller class setting, vocalists will learn basic improvisation skills, extended part-singing and use of a sound system. Instrumentalists may also audition as members of the rhythm section. 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).

Students who choose music courses will also be provided with the opportunity to learn a wide variety of employability skills throughout the music making process. These include the fundamental skills to communicate and manage information, the personal management skills to demonstrate positive attitudes and behaviours, be responsible, adaptable and learn continuously, and the teamwork skills to work with others.

# 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 Connections (CLC)

MCLC-12

Students will be assigned to a group and a teacher to work together during class time for the first part of the school year. 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 school year, culminating with a showcase of their capstone projects in May.

We want students to continue to sign up for all of the courses that they want to take, so will offer this course off-timetable to students with a full slate of 8 for 2019-2020.

## Summit Career Life Connections (CLC) 12

MCLC-12DA1

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.

## COURSES FOR STUDENT SUPPORT

### Skills, Competencies & Learning Strategies 8-12

XLDCD10, YLE—0A, YLE—1A, YLE—2A

**Referral Process:** This course is NOT an elective. Students MUST be recommended to this course by a counsellor, teacher or administrator through a referral process that requires approval by the SCLS Program teacher, the Special Education department head and the grade administrator. Students may also be referred and approved through the articulation process.

**Course Overview:** This multi-graded course is designed to support students in learning the necessary skills, competencies and strategies required to achieve greater success in their courses and school in general. The course will focus on improving skills and strategies for studying, test-taking, note-taking, time-management, organization, and foundational skills in the core academic subjects. The course will also focus on developing students' capacities and competencies with respect to critical and creative thinking, communication, personal and social responsibility and personal and cultural identity.

## 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-1DDA2

This is a CS 11/12 course. This course provides students with a work-like experience in a school library under the direction of the teacher-librarian. While providing service to the students and staff, students acquire skills and attitudes which are transferable to other work and community settings. Students acquire library-specific clerical and technical skills under the supervision of the teacher-librarian. With guidance, students develop interpersonal skills working with peers and staff. Students develop the ability to be self-directed, to work independently and to recognize when it is appropriate to ask for assistance or direction. Students are assessed through self and teacher evaluation using the criteria set out in the course expectations. Once completed Library Services 11, students will be eligible for CS credits the following year in the library if they wish to do so.



## Mental Health Leadership 10-12

YPA—0A

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 and volunteer in local community organizations. Students will also be organizers in the school's annual mental health week. 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 foundation level of a trade program. These programs save time and money (free tuition) and offer a huge jump start for students.

The benefits include:

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

For more information and an application form, please visit the VSB Career Programs website [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) links to Youth TRAIN in Trades, a pdf brochure for each program, and the application package. Also visit the Industry Training Authority website: [www.itabc.ca](http://www.itabc.ca). All students *applying* for Youth TRAIN in Trades programs should register at their home school with a full course load. Schools will be asked to modify a student's timetable if the student is accepted into a Youth TRAIN program.

Certification: successful completion of program will lead either to Level 1 technical training credit or a Certificate of Qualification from the Industry Training Authority. Following is a list of programs available, Career Programs may be able to accommodate students interested in other trades.

Program	Where the program is taught	Credits towards graduation program	Timetable	Application Due	Month program begins
Aircraft Maintenance Engineer	BCIT	16 credits	Monday - Friday	March 1	August
Auto collision and Refinishing	VCC	32 credits	Monday - Thursday 8:00 am - 3:00 pm	November 30 March 1	February September
Auto Service Technician	Britannia	20 credits	Semester 2	March 1	September
Baking and Pastry Arts	VCC	24 credits	Monday - Thursday 1:00 pm - 7:15 pm	November 30	August
Carpentry	BCIT	20 credits	February - June Monday - Friday	March 1	February
Cook	Sir Charles Tupper (Priority to SCT students)	24 credits	Semester 2	March 1	September
Cook	David Thompson	24 credits	Semester 2	March 1	September
**Electrical	BCIT	24 credits	Monday - Friday	March 1	August
Hairdressing	VCC	44 credits	Monday - Friday	March 1	September
** Heavy Mechanical Trades	VCC	28 credits	Monday - Thursday 36 weeks	March 1	September
Plumbing	Piping Industry College of BC	4 credits	Mid-June to late July	March 1	June
Painting	Finishing Trades Institute of BC	4 credits	Mid-June to late July	March 1	June
** Millwright	BCIT	20 credits	Monday - Friday	March 1	February
** Motorcycle & Power Equipment	BCIT	20 credits	Monday - Friday	March 1	February
** Metal Fabrication	BCIT	20 credits	Monday - Friday	March 1	February

**\*\* Limited spots available – must contact Career Programs Office in the school year prior to program**

## DUAL CREDIT PROGRAMS

These programs, in partnership with post-secondary institutions, provide the opportunity for students to get a head start on their certification programs. Students save money (free tuition) and earn high school and post-secondary credits at the same time.

### Healthcare Assistant (Grade 12)

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

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

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

[careerprograms.vsb.bc.ca/](http://careerprograms.vsb.bc.ca/) → Our Programs → Healthcare Assistant

**Application Due Date: November 30**

### Youth WORK in Trades — Apprenticeship

Students with the skills and connections can start an apprenticeship in high school. Students who are already working in an apprenticeable trade can formalize the apprenticeship relationship with their employer. There are 4 courses (16 credits) available to these students when they have a formal ITA agreement arranged through the VSB District Apprenticeship Facilitator. Information and application forms are available on the VSB website: [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca/) → Our Programs → Youth WORK in Trades

## SCHOOL-BASED PROGRAMS

### Fashion Design and Technology – Eric Hamber

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

- Two-year cohort program: grade 11 & 12

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 → Fashion Design & Technology

**Application Due Date: March 1**

### 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.

- Semester 2
- One-year cohort program, up to 12 credits
- Hands-on, laboratory courses
- Prepare for industry-recognized certification

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

**Application Due Date: March 1**



## **Tupper Tech — Explore Trades Sampler Program at Sir Charles Tupper Secondary**

Designed for academic and career-focused Grade 12 students wishing to pursue an apprenticeship. A program for students who are not sure which trade is right for them.

- Semester 2
- Up to 24 graduation credits
- Grade 12 program

For more information on Tupper’s program, contact Mr. R. Evans ([rtevens@vsb.bc.ca](mailto:rtevens@vsb.bc.ca)) or visit our Program website: [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) → Our Programs → Tupper Tech

**Application Due Date: March 1**

## **Enhanced Trades – Killarney Secondary (Grade 11)**

A program designed as an introduction to a variety of trades courses which include Automotive Technology 11, Drafting 11, Metalwork 11, and Carpentry & Joinery 11

- Semester 2
- 12 to 16 credits
- Grade 11 program

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 → Enhanced Trades

**Application Due Date: March 1**

## 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 (3 courses from Applied Skills or Fine Arts)
- 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,  
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.

*\* 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 or January.*

## 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

<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>DEPARTMENT</b>
A2DP-12	AP 2-D DESIGN PORTFOLIO 12	Fine Arts
ABIO-12	AP BIOLOGY 12	Science
ACAL-12	AP CALCULUS 12	Mathematics
AELC-12	AP ENGLISH LITERATURE & COMPOSITION 12	English
ASAD-12	AP STUDIO ART: DRAWING 12	Fine Arts
ASTA-12	AP STATISTICS 12	Mathematics
ECON-12	ECONOMICS 12	Technology Education
FADRF08	COMMUNICATION 8	French Immersion
FADRF09	COMMUNICATION 9	French Immersion
FCLE-10	ÉDUCATION À LA VIE PROFESSIONNELLE	French Immersion
FFRAL08	FRANÇAIS LANGUE SECONDE-IMMERSION 8	French Immersion
FFRAL09	FRANÇAIS LANGUE SECONDE-IMMERSION 9	French Immersion
FFRAL10	FRANÇAIS LANGUE SECONDE-IMMERSION 10	French Immersion
FFRAL12	FRANÇAIS LANGUE SECONDE-IMMERSION 12	French Immersion
FLCF-11	LANGUE ET CULTURE DE LA FRANCOPHONIE 11	French Immersion
FSCF-08	SCIENCES 8	French Immersion
FSCF-09	SCIENCES 9	French Immersion
FSCF-10	SCIENCES 10	French Immersion
FSCH-10	SCIENCES HUMAINES 10	French Immersion
FSCHF08	SCIENCES HUMAINES 8	French Immersion
FSCHF09	SCIENCES HUMAINES 9	French Immersion
FSJF-12	JUSTICE SOCIALE 12	French Immersion
FWH—12	HISTOIRE DU 20 <sup>è</sup> SIECLE 12	French Immersion
MAC—11	ACCOUNTING 11	Technology Education
MACC-12	ACCOUNTING 12	Technology Education
MACLV11	ACTIVE LIVING 11	Physical Education
MACLV11G--	ACTIVE LIVING 11 (GIRLS)	Physical Education
MACLV11S--	ACTIVE LIVING 11 (SOCCER)	Physical Education
MACLV12	ACTIVE LIVING 12	Physical Education
MACLV12G--	ACTIVE LIVING 12 (GIRLS)	Physical Education
MACLV12S--	ACTIVE LIVING 12 (SOCCER)	Physical Education
MADD-09	DRAFTING 9	Technology Education
MADDL08	DIGITAL LITERACY 8	Technology Education
MADEM09	ENTREPRENEURSHIP & MARKETING 9	Technology Education
MADER09	ROBOTICS, ELECTRONICS, & ENGINEERING 9	Technology Education
MADFS09	FOOD STUDIES 9	Home Economics
MADIT09	COMPUTER STUDIES 9	Technology Education
MADM-09	METALWORK 9	Technology Education

MADMA08DC1	INTERACTIVE ARTS & DESIGN TECHNOLOGY 8 (FH)	Technology Education
MADMA09	GRAPHICS & MEDIA ARTS 9	Technology Education
MADMA09DC1	INTERACTIVE ARTS & DESIGN TECHNOLOGY 9 (FH)	Technology Education
MADPT09	POWER TECHNOLOGY 9	Technology Education
MADT-08	TEXTILES 8	Home Economics
MADT-09	TEXTILES 9	Home Economics
MADW-08	WOODWORK 8	Technology Education
MADW-09	WOODWORK 9	Technology Education
MAPPR12	APPRENTICESHIP MATHEMATICS 12	Mathematics
MASIA12	ASIAN STUDIES: 1850 — PRESENT 12	Social Studies
MATPH12	ANATOMY AND PHYSIOLOGY 12	Science
MATPH12DA1	ANATOMY AND PHYSIOLOGY 12 (AP BIO)	Science
MBCFP12	BC FIRST PEOPLES 12	Social Studies
MBMAN11	INTRODUCTORY MANDARIN 11	Modern Languages
MBSP-11	INTRODUCTORY SPANISH 11	Modern Languages
MCE—08	CAREER EDUCATION 8	Career Programs
MCE—09	CAREER EDUCATION 9	Career Programs
MCH—11	CHEMISTRY 11	Science
MCH—11DC2	CHEMISTRY 11 (SUMMIT)	Science
MCH—12	CHEMISTRY 12	Science
MCINF11	GAME DESIGN 11	Technology Education
MCLC-12	CAREER LIFE CONNECTIONS 12	Career Programs
MCLC-12CO1	CAREER LIFE CONNECTIONS 12 (OFF-TIMETABLE)	Career Programs
MCLC-12DA2	CAREER LIFE CONNECTIONS 12 (SUMMIT)	Career Programs
MCLE-10	CAREER LIFE EDUCATION 10	Career Programs
MCMCC11	CHORAL MUSIC 11: CONCERT CHOIR	Fine Arts
MCMCC12	CHORAL MUSIC 12: CONCERT CHOIR	Fine Arts
MCMCL12	COMPARATIVE CULTURES 12	Social Studies
MCMPR11	COMPUTER PROGRAMMING 11	Technology Education
MCMPR12	COMPUTER PROGRAMMING 12	Technology Education
MCMP10	COMPOSITION 10 (G)	English
MCMP10DC1	COMPOSITION 10 (FH CLASSICS)	English
MCMP10DC2	COMPOSITION 10 (SUMMIT)	English
MCMP10TRN	COMPOSITION 10 (TRANSITIONAL)	ELL
MCMP11	COMPOSITION 11	English
MCSTU10	COMPUTER STUDIES 10	Technology Education
MCTWR10	CREATIVE WRITING 10 (I)	English
MCTWR11	CREATIVE WRITING 11	English
MCTWR11DC1	CREATIVE WRITING 11 (FH)	English
MCTWR12	CREATIVE WRITING 12	English
MCUL-10	CULINARY ARTS 10	Home Economics



MCUL-11	CULINARY ARTS 11	Home Economics
MCUL-12	CULINARY ARTS 12	Home Economics
MDMD-12	GAME DESIGN 12	Technology Education
MDR--08	DRAMA 8	Fine Arts
MDR--09	DRAMA 9 SEMESTERED	Fine Arts
MDR--09CO1	DRAMA 9 THEATRE COMPANY SEMESTERED	Fine Arts
MDRDS11	DIRECTING AND SCRIPTWRITING 11	Fine Arts
MDRDS12	DIRECTING AND SCRIPTWRITING 12	
MDRM-10	DRAMA 10	Fine Arts
MDRM-11	DRAMA 11	Fine Arts
MDRM-12	DRAMA 12	Fine Arts
MDRTC10	DRAMA: THEATRE COMPANY 10	Fine Arts
MDRTC11	THEATRE COMPANY 11	Fine Arts
MDRTC12	THEATRE COMPANY 12	Fine Arts
MDRTP11	THEATRE PRODUCTION 11	Fine Arts
MDRTP12	THEATRE PRODUCTION 12	Fine Arts
MECOM12	MARKETING 12: E-COMMERCE	Technology Education
MECT-12	ECONOMIC THEORY 12	Social Studies
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
MENFP12	ENGLISH FIRST PEOPLES 12	English
MENR-11	ROBOTICS, ELECTRONICS, & ENGINEERING 11	Technology Education
MENR-12	ROBOTICS, ELECTRONICS, & ENGINEERING 12	Technology Education
MENST12	ENGLISH STUDIES 12	English
MENST12ENR	ENGLISH STUDIES 12	English
MENT-12	ENTREPRENEURSHIP 12	Technology Education
MFIND12	FASHION INDUSTRY 12	Technology Education
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
MFOOD10	FOOD STUDIES 10	Home Economics
MFOOD11	FOOD STUDIES 11	Home Economics
MFOOD12	FOOD STUDIES 12	Home Economics
MFR--08	FRENCH 8	Modern Languages
MFR--09	FRENCH 9	Modern Languages
MFR--10	FRENCH 10	Modern Languages

MFR--11	FRENCH 11	Modern Languages
MFR--12	FRENCH 12	Modern Languages
MFTCD11	FITNESS AND CONDITIONING 11	Physical Education
MFTCD12	FITNESS AND CONDITIONING 12	Physical Education
MGEOL12	GEOLOGY 12	Science
MGRPR11	GRAPHIC PRODUCTION 11 (YEARBOOK)	Technology Education
MGRPR12	GRAPHIC PRODUCTION 12 (YEARBOOK)	Technology Education
MIDS-0A	INDEPENDENT DIRECTED STUDIES 10A	Other
MIDS-2A	INDEPENDENT DIRECTED STUDIES 12A	Other
MIDS-2B	INDEPENDENT DIRECTED STUDIES 12B	Other
MIDS-2C	INDEPENDENT DIRECTED STUDIES 12C	Other
MIMCB11	INSTRUMENTAL MUSIC 11: CONCERT BAND	Fine Arts
MIMCB12	INSTRUMENTAL MUSIC 12: CONCERT BAND	Fine Arts
MIMJB11	INSTRUMENTAL MUSIC 11: JAZZ BAND	Fine Arts
MIMJB12	INSTRUMENTAL MUSIC 12: JAZZ BAND	Fine Arts
MINST12	CONTEMPORARY INDIGENOUS STUDIES 12	Social Studies
MLFSC11	LIFE SCIENCES 11	Science
MLST-12	LAW STUDIES 12	Social Studies
MLTST10	LITERARY STUDIES 10 (G)	English
MLTST10DA1	LITERARY STUDIES 10 (H)	English
MLTST10DA2	LITERARY STUDIES 10 (I)	English
MLTST10DA3	LITERARY STUDIES 10 (J)	English
MLTST10DC1	LITERARY STUDIES 10 (FH CLASSICS)	English
MLTST10DC2	LITERARY STUDIES 10 (SUMMIT)	English
MLTST10TRN	LITERARY STUDIES 10 (TRANSITIONAL)	ELL
MLTST11	LITERARY STUDIES 11 (OURSELVES & THE WORLD)	English
MLTST11DC1	LITERARY STUDIES 11 (GENRE STUDIES)	English
MLTST12	LITERARY STUDIES 12	English
MLTST12DA	LITERARY STUDIES 12 (AP ENGLISH DUAL CREDIT)	English
MMA--08	MATHEMATICS 8	Mathematics
MMA--08CO1	MATHEMATICS (NUMERACY) 8	Mathematics
MMA--09	MATHEMATICS 9	Mathematics
MMA--09CO1	MATHEMATICS (NUMERACY) 9	Mathematics
MMA--09DC2	MATHEMATICS 9 (SUMMIT)	Mathematics
MMACS11	COMPUTER SCIENCE 11	Mathematics
MMACS12	COMPUTER SCIENCE 12	Mathematics
MMAN-09	MANDARIN 9	Modern Languages
MMAN-10	MANDARIN 10	Modern Languages
MMAN-11	MANDARIN 11	Modern Languages
MMAN-12	MANDARIN 12	Modern Languages
MMAP-11	MARKETING AND PROMOTION 11	Technology Education

MMEDD10	GRAPHICS & MEDIA DESIGN 10	Technology Education
MMEDD11	GRAPHICS & MEDIA DESIGN 11	Technology Education
MMEDD12	GRAPHICS & MEDIA DESIGN 12	Technology Education
MMFM-12	METAL FABRICATION AND MACHINING 12	Technology Education
MMU--08BA1	MUSIC 8: BEGINNER BAND	Fine Arts
MMU--08BA3	MUSIC 8: INTERMEDIATE BAND	Fine Arts
MMU--08CC1	MUSIC 8: BEGINNER CHOIR (CONCERT)	Fine Arts
MMU--08ST1	MUSIC 8: BEGINNER STRINGS	Fine Arts
MMU--08ST3	MUSIC 8: INTERMEDIATE STRINGS	Fine Arts
MMU--09BA1	MUSIC 9: BEGINNER BAND	Fine Arts
MMU--09BA3	MUSIC 9: INTERMEDIATE BAND	Fine Arts
MMU--09CC1	MUSIC 9: BEGINNER CHOIR (CONCERT)	Fine Arts
MMU--09CC2	MUSIC 9: BEGINNER CHOIR (CHAMBER)	Fine Arts
MMU--09ST1	MUSIC 9: BEGINNER STRINGS	Fine Arts
MMU--09ST3	MUSIC 9: INTERMEDIATE STRINGS	Fine Arts
MMUCB10	INSTRUMENTAL MUSIC 10: CONCERT BAND	Fine Arts
MMUCC10	CHORAL MUSIC 10: CONCERT CHOIR	Fine Arts
MMUCH10	CHORAL MUSIC 10: CHAMBER CHOIR	Fine Arts
MMUCH11	CHORAL MUSIC 11: CHAMBER CHOIR	Fine Arts
MMUCH12	CHORAL MUSIC 12: CHAMBER CHOIR	Fine Arts
MMUJB10	INSTRUMENTAL MUSIC 10: JAZZ BAND	Fine Arts
MMUOR10	INSTRUMENTAL MUSIC 10: ORCHESTRA	Fine Arts
MMUOR11	INSTRUMENTAL MUSIC 11: ORCHESTRA	Fine Arts
MMUOR12	INSTRUMENTAL MUSIC 12: ORCHESTRA	Fine Arts
MMUVJ10	CHORAL MUSIC 10: VOCAL JAZZ	Fine Arts
MNMD-10	NEW MEDIA 10 (H)	English
MNMD-11	NEW MEDIA 11	English
MODED11	OUTDOOR EDUCATION 11	Physical Education
MODED12	OUTDOOR EDUCATION 12	Physical Education
MPH--11	PHYSICS 11	Science
MPH--12	PHYSICS 12	Science
MPHE-08	PHYSICAL AND HEALTH EDUCATION 8	Physical Education
MPHE-09	PHYSICAL AND HEALTH EDUCATION 9	Physical Education
MPHED10	PHYSICAL AND HEALTH EDUCATION 10	Physical Education
MPHIL12	PHILOSOPHY 12	Social Studies
MPHIL12DC1	PHILOSOPHY 12 (FH)	Social Studies
MPREC11	PRE-CALCULUS 11	Mathematics
MPREC11DC2	PRE-CALCULUS 11 (SUMMIT)	Mathematics
MPREC12	PRE-CALCULUS 12	Mathematics
MPREC12DC2	PRE-CALCULUS 12 (SUMMIT)	Mathematics
MSC--08	SCIENCE 8	Science

MSC--09	SCIENCE 9	Science
MSC--09DC2	SCIENCE 9 (SUMMIT)	Science
MSC--10	SCIENCE 10	Science
MSC--10DC2	SCIENCE 10 (SUMMIT)	Science
MSCCT11	SCIENCE FOR CITIZENS 11	Science
MSJ--12	SOCIAL JUSTICE 12	Social Studies
MSP--09	SPANISH 9	Modern Languages
MSP--10	SPANISH 10	Modern Languages
MSP--10DC1	SPANISH 10 (FH)	Modern Languages
MSP--11	SPANISH 11	Modern Languages
MSP--11DC1	SPANISH 11 (FH)	Modern Languages
MSP--12	SPANISH 12	Modern Languages
MSPLG10	SPOKEN LANGUAGE 10 (J)	English
MSPLG11	SPOKEN LANGUAGE 11 (DRAMATIC ARTS)	English
MSPSC12	ASTRONOMY 12	Science
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)	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--10TRN	SOCIAL STUDIES 10 (TRANSITIONAL)	ELL
MTAMJ12	ART METAL AND JEWELLERY 12	Technology Education
MTAUT11	AUTOMOTIVE TECHNOLOGY 11	Technology Education
MTAUT12	AUTOMOTIVE TECHNOLOGY 12	Technology Education
MTDRF10	DRAFTING 10	Technology Education
MTDRF11	DRAFTING 11	Technology Education
MTDRF12	DRAFTING 12	Technology Education
MTEAD12	AUTOMOTIVE TECHNOLOGY 12: ENGINE AND DRIVE TRAIN	Technology Education
MTEAR10	ROBOTICS, ELECTRONICS, & ENGINEERING 10	Technology Education
MTFAC12	FURNITURE AND CABINETRY 12	Technology Education
MTMET10	METALWORK 10	Technology Education
MTMET11	METALWORK 11	Technology Education
MTMET12	METALWORK 12	Technology Education
MTPOW10	POWER TECHNOLOGY 10	Technology Education
MTRM-11	TOURISM 11	Home Economics
MTRM-12	TOURISM 12	Home Economics
MTXT-10	TEXTILES 10	Home Economics

MTXT-11	TEXTILES 11	Home Economics
MTXT-12	TEXTILES 12	Home Economics
MVA--08	VISUAL ARTS 8	Fine Arts
MVA--08DC1	VISUAL ARTS 8 (FH)	Fine Arts
MVA--09	VISUAL ARTS 9: GENERAL ART- SEMESTERED	Fine Arts
MVA--09CR1	VISUAL ARTS 9: CERAMICS & SCULPTURE SEMESTERED	Fine Arts
MVA--09DC1	VISUAL ARTS 9 (FH)	Fine Arts
MVA--09DR1	VISUAL ARTS 9: DRAWING & PAINTING SEMESTERED	Fine Arts
MVAC-10	STUDIO ARTS 3D 10: CERAMICS & SCULPTURE	Fine Arts
MVAC-11	STUDIO ARTS 11: CERAMICS & SCULPTURE	Fine Arts
MVAC-12	STUDIO ARTS 12: CERAMICS & SCULPTURE	Fine Arts
MVAD-10	VISUAL ARTS 10: DRAWING AND PAINTING	Fine Arts
MVAD-11	STUDIO ARTS 11: DRAWING AND PAINTING	Fine Arts
MVAD-12	STUDIO ARTS 12: DRAWING AND PAINTING	Fine Arts
MVA--09MA1	VIDEO PRODUCTION 9 SEMESTERED	Fine Arts
MVAM-10	VIDEO PRODUCTION 10	Fine Arts
MVAMT11	VIDEO PRODUCTION 11	Fine Arts
MVAMT12	VIDEO PRODUCTION 12	Fine Arts
MVAPH11	PHOTOGRAPHY 11	Fine Arts
MVAPH12	PHOTOGRAPHY 12	Fine Arts
MVAST10	VISUAL ARTS: ART STUDIO 10	Fine Arts
MVAST11	ART STUDIO 11	Fine Arts
MVAST12	ART STUDIO 12	Fine Arts
MWH--12	20TH CENTURY WORLD HISTORY 12	Social Studies
MWPM-10	WORKPLACE MATHEMATICS 10	Mathematics
MWPM-11	WORKPLACE MATHEMATICS 11	Mathematics
MWWK-10	WOODWORK 10	Technology Education
MWWK-11	WOODWORK 11	Technology Education
MWWK-12	WOODWORK 12	Technology Education
PKG--08	ELL TRANSITIONAL PACKAGE (Grade 8 & 9)	ELL
PKG--08A	FRENCH IMMERSION 8 PACKAGE	French Immersion
PKG--08B	FLEX HUMANITIES 8 PACKAGE	Other
PKG--08C	SUMMIT 8 PACKAGE	Other
PKG--08E	LINKS (JUNIOR) 8 PACKAGE	Support Services
PKG--08F	APPLIED SKILLS 8 PACKAGE	Technology Education
PKG--08G	FINE ARTS 8 PACKAGE	Fine Arts
PKG--08H	ELL LEVEL1 PACKAGE (BEGINNER 1/2)	ELL
PKG--08I	ELL LEVEL 2 PACKAGE (INTERMEDIATE 2/3)	ELL
PKG--08J	ELL LEVEL 3 PACKAGE (ADVANCED 3)	ELL
PKG--09A	FRENCH IMMERSION 9 PACKAGE	French Immersion
PKG--09B	FLEX HUMANITIES 9 PACKAGE	Other

PKG--09C	SUMMIT 9 PACKAGE	Other
PKG--09D	LINKS (JUNIOR) 9 PACKAGE	Support Services
PKG--10A	FRENCH IMMERSION 10 PACKAGE	French Immersion
PKG--10B	FLEX HUMANITIES 10 PACKAGE	Other
PKG--10C	SUMMIT 10 PACKAGE	Other
PKG--10D	LINKS (SENIOR) 10 PACKAGE	Support Services
PKG--10E	EN 10 (FLEX HUMANITIES)	English
PKG--10F	EN 10 (SUMMIT)	English
PKG--10G	EN 10 (LITERARY STUDIES & COMPOSITION)	English
PKG--10H	EN 10 (LITERARY STUDIES & NEW MEDIA)	English
PKG--10I	EN 10 (LITERARY STUDIES & CREATIVE WRITING)	English
PKG--10J	EN 10 (LITERARY STUDIES & SPOKEN LANGUAGE)	English
PKG--10M	ELL TRANSITIONAL PACKAGE (Grade 10,11,12)	ELL
PKG--11	FLEX HUMANITIES 11 PACKAGE	Other
PKG--11A	FRENCH IMMERSION 11 PACKAGE	French Immersion
PKG--11B	LINKS (SENIOR) 11 PACKAGE	Support Services
PKG--11C	SUMMIT 11 PACKAGE	Other
PKG--12A	FRENCH IMMERSION 12 PACKAGE	French Immersion
PKG--12B	LINKS (SENIOR) 12 PACKAGE	Support Services
PKG--12C	SUMMIT 12 PACKAGE	Other
PKG--12H	AP BIOLOGY 12 (2 COURSES)	Other
PKG--12I	AP ENGLISH LITERATURE 12 (DUAL CREDIT)	Other
XCEX-10	LINKS: CAREER AND PERSONAL PLANNING 10	Support Services
XCEX-11	LINKS: CAREER AND PERSONAL PLANNING 11	Support Services
XCEX-12	LINKS: CAREER AND PERSONAL PLANNING 12	Support Services
XLDCD10	LEARNING STRATEGIES 8/9: SKILLS	Support Services
XLDCE09ENT	ELL ENGLISH: TRANSITIONAL (JUNIOR)	ELL
XLDCE09SST	ELL SOCIAL STUDIES: TRANSITIONAL (JUNIOR)	ELL
XLDCE10ELC	ELL SUPPORT BLOCK: TRANSITIONAL	ELL
XLDCE10RE1	ELL READING: BEGINNER	ELL
XLDCE10RE2	ELL READING: INTERMEDIATE	ELL
XLDCE10RE3	ELL READING: ADVANCED	ELL
XLDCE10SS1	ELL SOCIALS: BEGINNER	ELL
XLDCE10SS2	ELL SOCIALS: INTERMEDIATE	ELL
XLDCE10SS3	ELL SOCIALS: ADVANCED	ELL
XLDCE10WR1	ELL WRITING: BEGINNER	ELL
XLDCE10WR2	ELL WRITING: INTERMEDIATE	ELL
XLDCE10WR3	ELL WRITING: ADVANCED	ELL
XSIEPOADS2	SENIOR LINKS: MODIFIED ENGLISH	Support Services
XSIEPOADS3	DSP: LIFE SKILLS	Support Services
XSIEPOBDS2	SENIOR LINKS: MODIFIED SOCIAL STUDIES	Support Services

XSIEP0BDS3	DSP: ACADEMIC SKILLS	Support Services
XSIEP0CDS2	SENIOR LINKS: MODIFIED MATH	Support Services
XSIEP0CDS3	DSP: COMMUNITY INTEGRATION	Support Services
XSIEP0DDS2	SENIOR LINKS: MODIFIED SCIENCE	Support Services
XSIEP0DDS3	DSP: FINE ARTS	Support Services
XSIEP0EDS3	DSP: FOODS & NUTRITION	Support Services
XSIEP0FDS3	DSP: JOB PREPARATION	Support Services
XSIEP0GDS3	DSP: LEISURE SKILLS	Support Services
XSIEP0HDS3	DSP: GUIDANCE	Support Services
XSIEP9ADS2	JUNIOR LINKS: MODIFIED ENGLISH	Support Services
XSIEP9CDS2	JUNIOR LINKS: MODIFIED MATH	Support Services
XSIEP9DDS2	JUNIOR LINKS: MODIFIED SCIENCE	Support Services
XSIEP9EDS2	JUNIOR LINKS: METACOGNITION	Support Services
XSIEP9FDS2	JUNIOR SCIENCE: MODIFIED SOCIAL STUDIES	Support Services
XSPBK08	FRENCH IMMERSION SUPPORT BLOCK	French Immersion
YCPM-1D	COMMUNITY SERVICE 11	Student Services
YCPM-1DDA2	COMMUNITY SERVICE 11 (LIBRARY)	Student Services
YESFLOA	ACADEMIC STRATEGIES FOR ELL LEARNERS 10	ELL
YFIPS1A	FRENCH IMMERSION PEER TUTORING 11	French Immersion
YHRA-1A	LEADERSHIP 11	Physical Education
YHRA-2A	LEADERSHIP 12	Physical Education
YIA--0A	JEWELRY ART & DESIGN 10	Technology Education
YIPS-2B	PEER TUTORING 12	Student Services
YIPS-2BDA2	PEER TUTORING 12: TECH MENTORSHIP	Other
YIPS-2C	PEER COUNSELLING 12	Other
YLE--0A	LEARNING STRATEGIES 10: SKILLS	Support Services
YLE--1A	LEARNING STRATEGIES 11: SKILLS	Support Services
YLE--2A	LEARNING STRATEGIES 12: SKILLS	Support Services
YLE--2E	FILM & THEATRE CRITICISM 12	English
YLRA-1A	YOGA FOR LIFE 11	Physical Education
YLRA-2A	YOGA FOR LIFE 12	Physical Education
YLRA-1B	ATHLETE DEVELOPMENT 11: VOLLEYBALL	Physical Education
YLRA-2B	ATHLETE DEVELOPMENT 12: VOLLEYBALL	Physical Education
YPA--0A	MENTAL HEALTH LEADERSHIP	Other
YPSYC1A	PSYCHOLOGY 11	English
YPSYC2A	PSYCHOLOGY 12	English
YSSC-2A	AFRICAN DESCENT HISTORY IN BC 12	Social Studies
YVPA-0E	FILM STUDIES 10 (FLEX)	Fine Arts